



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 6] नई दिल्ली, शनिवार, फरवरी 6, 1988 (माघ 17, 1909)

No. 6] NEW DELHI, SATURDAY, FEBRUARY 6, 1988 (MAGHA 17, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office Relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 6th February, 1988

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400013.

The States of Gujarat, Maharashtra, and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building
Saraswati Marg, Kailash Bagh,
New Delhi-110 005.

The States of Hariana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—447 G. 1/87

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
214, Acharya Jagadish Bose Road,
Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

CORRIGENDUM

1. In the Gazette of India, Part III, Section 2 dated 7th November, 1987 under the heading 'Applications for Patents filed in the Patent Office Branch, Bombay-13 on page 1147.

- (i) In respect of Patent Application No. 268/Bom/87 the title of invention for 'A NECK DESIGN OF BLOW MOULDED CONTAINER TO PROVIDE IT A TOTAL LEAKPROOFNESS WHEN USED WITH CONVENTIONAL AND OR/PLASTIC CAP WITH INBUILT PLUG' read as 'A NECK DESIGN OF BLOW MOULDED CONTAINER TO PROVIDE IT A TOTAL LEAKPROOFNESS WHEN USED WITH CONVENTIONAL PLASTIC PLUG AND/OR PLASTIC CAP WITH INBUILT PLUG.

- (ii) In respect of Patent Application No. 275/Bom/87 in the title of invention for 'AIMPLE' read as 'SIMPLE'.

2. In the Gazette of India, Part III, Section 2 dated 7th November, 1987 under the heading 'Complete Specification Accepted on page No. 1161, Column 2,

In respect of Patent No. 161312(226/Bom/84) delete from the notification 'APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 1972) PATENT OFFICE, BOMBAY BRANCH.

2 claims

A DEVICE TO ACCOMPLISH CONSTANT FLOW OF WATER THROUGH DIVERSION WORKS PROVIDED ON THE BANK/BANKS OF A RIVER.

CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 21st February, 1987 under the heading 'Renewal Fees' paid delete 147476.

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, the 6th February, 1988

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 30th December, 1987

- 1010/Cal/87. Serge Ladriere. Improvements to firearms intended to fire a caseless projectile and ammunition of this kind adapted for such weapons.

The 1st January, 1988

- 1/Cal/88. The Babcock & Wilcox Company. Auto calibrating electro hydraulic servo driver.
2/Cal/88. The Babcock & Wilcox Company. Apparatus for aligning fiber optic cables.
3/Cal/88. Nicholas V Perricone. A composition for cosmetic treatment of pseudofolliculitis barbae and its prevention.
4/Cal/88. Institutul De cercetare Si Proiectare Pentru Industria Materialelor De Constructii. Recuperative heat exchangers.
5/Cal/88. Ethicon, Inc. Bone Screw.
6/Cal/88. Lanxide Technology Company, LP. Method of making shaped ceramic Articles by shape replication of an expendable pattern.
7/Cal/88. Lanxide Technology Company, LP. Method for producing mold-shaped ceramic bodies.

- 8/Cal/88. Westinghouse Electric Corporation. Oil-filled distribution transformers. [Divisional dated 6th January, 1984].

The 4th January, 1988

- 9/Cal/88. Lanxide Technology Company, LP. Production of metal carbide articles.
10/Cal/88. Lanxide Technology Company, LP. Ceramic composite and methods of making the same.
11/Cal/88. Y.S. Securities Limited. Alternating current power circuit and fuse therefor. (Convention dated 10th January, 1987) U.K.

The 5th January, 1988

- 12/Cal/88. Karel Havel. Reciprocally actuated switch with rotatable contact selector.

The 6th January, 1988

- 13/Cal/88. Kysor Industrial Corporation. Automatic thermal and speed controls for viscous fluid clutches. (Convention dated 7th January, 1987) U.K.
14/Cal/88. Surgikos, Inc. Hydrogen peroxide plasma sterilization system.
15/Cal/88. Materials Consultants Oy. New surgical material and devices.

APPLICATION FOR PATENTS FILED AT THE PATENTS OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 7th December, 1987

- 1043/Del/87. Union Rheinische Braukohlen Kraftstoff Ag., "A process for the production of pure dimethyl ether and a catalyst used in the process".
1044/Del/87. Centre Scientifique Et Technique Du Bâtiment. "Novel furan polyols, use thereof as polyols in the formation of polyurethanes, polyurethanes thus obtained and process for preparing same".
1045/Del/87. Ford Corporation. "A high build, ambient temperature curable coating composition". (Divisional date 27th February 1985).

The 8th December, 1987

- 1046/Del/87. Costruzioni Meccaniche Manea S.r.l. "A machine for forming a tucked selvage, lightened and of low thickness in fabrics produced on shuttle-less looms."
1047/Del/87. National Research Development Corporation. "Injection Device". (Convention date 16th December, 1986) (U.K.).
1048/Del/87. Council of Scientific and Industrial Research. "A process for separation of pure plantago ovato (Tsangol) mucilage from its whole seed and seed husk".
1049/Del/87. Council of Scientific and Industrial Research. "An improved process for the manufacture of geranion from citronella oil".
1050/Del/87. Council of Scientific and Industrial Research. "Process for the production of 3, 5-Xylenol".
1051/Del/87. Council of Scientific and Industrial Research. "A monitoring device for projection of computer/Micro-processor or computer-microprocessor based instruments/equipments".
1052/Del/87. Council of Scientific and Industrial Research. "A new pressure-driven membrane method for the separation and concentration of inorganic complex molecules".

1053/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the preparation of 4-phenyl-5-dichloroacetamido-1, 3-dioxane-2-chloromphenicol intermediate".

The 9th December, 1987

1054/Del/87. Hydro Quebec, "Process for removing heavy metals and other ions from an aqueous solution". (Convention date 26th January, 1987) (Canada).

1055/Del/87. Exxon Research and Engineering Company, "A method for suppressing the harmful effects of metal contaminants on hydrocarbon conversion catalysts using a strontium colloid system".

1056/Del/87. Dean Butler, "Cyclones". (Convention date 11th December, 1986) (Australia).

The 10th December, 1987

1057/Del/87. BP Chemicals Limited, "Filled elastomer blends".

1058/Del/87. UOP Inc., "Adsorptive separation of nitrobenzaldehyde isomers".

1059/Del/87. Pfizer Inc., "Process for production of avermectins and cultures therefor".

1060/Del/87. Suman Kumar Dewan, "Full duplex communication system using single operating frequency".

The 11th December, 1987

1061/Del/87. The Gillette Company, "Razor handle assembly".

1062/Del/87. Uniroyal Chemical Company, Inc., "Polyolefins stabilized against oxidative degradation with mixtures of aralkyl-substituted diarylamines and sterically hindered phenols".

1063/Del/87. Uniroyal Chemical Company, Inc., "Polyolefins stabilized against oxidative degradation with mixtures of aralkyl-substituted diarylamines and sterically hindered phosphites".

1064/Del/87. Aktiebolaget, Bofors, "Ammunition devices".

1065/Del/87. Union Carbide Corporation, "An improved gas separation by pressure swing adsorption".

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600002

The 21st December, 1987

910/Mas/87. Inland Steel Company, Controlling dissolved oxygen content in molten steel.

911/Mas/87. Sattelle Memorial Institute, A method for internalizing nucleic acids into eukaryotic cells.

912/Mas/87. Fosroc International Limited, Anchoring. (December 30, 1986; Great Britain).

913/Mas/87. Eniricerche S.p.A. & Enichem Augusta S.p.A. Process for the separation of sulphuric acid from aqueous mixtures thereof with paraffin-sulphonic acids.

914/Mas/87. Eniricerche S.p.A. & Enichem Augusta S.p.A. Process for the separation of sulphuric acid from aqueous mixtures thereof with paraffin-sulphonic acids.

The 22nd December, 1987

915/Mas/87. Institut Francais Du Petrole, A device and method for the rapid priming of an oxidation catalyst for a two stroke engine.

916/Mas/87. Institut Francais Du Petrole, A method for transmitting to a central recording device seismic data collected by acquisition apparatus distributed over the ground and a device for implementing same.

917/Mas/87. Institut Francais Du Petrole, An improved device for generating in the ground both transverse and longitudinal acoustic waves in a plurality of different directions.

918/Mas/87. Pilkington plc. Coatings on glass. (December 24, 1986; United Kingdom).

919/Mas/87. Rhone-Poulenc Films, Composite polyester films having improved adhesiveness and process for their production.

920/Mas/87. Corning Glass Works, Vapour phase method for making metal halide glasses.

921/Mas/87. Institut Francais Du Petrole, A gas feed device comprising tubes with narrowed zones.

The 23rd December, 1987

922/Mas/87. Lucas Industries Public Limited Company, Spot-type disc brake.

923/Mas/87. Govindaswamy Venkatachalapathy, Method for preparation stator for easy and effective winding.

924/Mas/87. Hoechst Aktiengesellschaft, Use of a bacteria-lysing enzyme product from streptomycetes for preserving fresh meat.

925/Mas/87. Hoechst Aktiengesellschaft, Bacteria-lysing enzyme product from streptomycetes, its preparation and its use for preserving cheese.

926/Mas/87. The Danish Wood Treating Co. Ltd. Method for the drying of wood-based products.

927/Mas/87. Chevron Research Company, Process for making middle distillates using a silicoluminophosphate molecular sieve.

928/Mas/87. Massachusetts Institute of Technology, Apparatus for the electrolytic production of aluminium.

929/Mas/87. A.H. Robins Company, Incorporated, A process for the preparation of 2-alkoxy-N-(1-azabicyclo [2.2.2]octan-3-yl)-aminobenzamide (Divisional to Patent Application No. 27/Mas/86).

ALTERATION OF DATE

161830. Ante dated to 10th February, 1982.
(623/Del/85).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 195-D.

161771

Int. Cl. G 05 d 27/00.

A FLAME MONITOR FOR A BURNER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. JOSEPH MARIO GIACHINO & MARION ALVAH KEYES, IV.

Application No. 1063/Cal/83 filed September 1, 1983.
Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A flame monitor for a burner comprising :

an oscillator for generating a signal at a characteristic frequency;

a flame modulator connected to the burner and to said oscillator for modulating the flame at the characteristic frequency;

an electromagnetic signal detector associated with the burner for sensing the electromagnetic radiation from the flame;

an electronic bandpass filter connected to the electromagnetic signal detector for filtering out all but the electromagnetic signal at the characteristic frequency, which electromagnetic signal increases with increased flame temperature; and

a level detector connected to said filter for determining the level of the electromagnetic radiation and for providing a control function corresponding to that level.

Compl. Specn. 16 pages. Drgs. 4 sheets.

CLASS : 19-A & C.

161772

Int. Cl. F 16 b 27/00.

FASTENER DEVICE

Applicant : ROTABOLT LIMITED, OF PEARTREE INDUSTRIAL PARK, PEARTREE LANE, DUDLEY, WEST MIDLANDS, ENGLAND.

Inventor : 1. JOHN ANDREW BRAIN HIRS T.

Application No. 1109/Cal/83 filed September 12, 1983.

Convention dated 23rd November, 1982 (90808) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A fastener comprising a fastener formed with a male screw thread and provided with an axial blind bore, a pin which is arranged co-axially with the thread or parallel to the axis of the thread and is disposed partly inside the fastener bore and partly protruding therefrom, a part of the pin which lies outside the fastener having an abutment which lies adjacent to an end face of the fastener, and a part of the pin remote from the abutment being anchored against movement relative to the fastener along the axis towards said end face, thereby in the unstressed fastener, the abutment is freely rotatable relative to the fastener and, when the fastener is subjected to a predetermined tensile stress, the fastener is stretched establishing pressure contact between the abutment and said end face thereby impeding turning of the abutment relative to the fastener.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 126-A.

161773

Int. Cl. G 01 j 3/46.

APPARATUS FOR MEASURING THE BRILLIANCE OF A COLOUR BY COMPARISON.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., CASE POSTAGE 353, 1800 VEVEY, SWITZERLAND.

Inventors : 1. ROBERT CABI-AKMAN, (2) (REMY SIMOND & (3) ARTHUR SPRENGER.

Application No. 1178/Cal/83 filed September 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

An apparatus for measuring the brilliance of colour by comparison, comprising a light source, an optical device to from and direct an incident light beam onto a sample to be measured and onto a colour reference, a photodetector to produce electrical signals in response to the detection of light beams reflected by the sample and the reference, and an electronic circuit to process and compare the electrical signals, characterised in that the said apparatus comprises a black reference and at least one reference colour similar to that of the sample, an exposure device for exposing the sample, the black reference and the colour reference successively and cyclicly to an incident light beam, two electronic comparison circuits for establishing the ratios of the intensities of the light beams reflected by the sample and a reference colour on the one hand and the black reference and a reference colour on the other hand, an electronic subtraction circuit for establishing in each exposure for measurement cycle a difference between these two ratios which is directly proportional to the brilliance of the colour of the sample, a synchronisation device in the form of a rotary synchronisation disc pierced by holes which are to pass at the said measurement frequency between at least one auxiliary light source and at least one auxiliary photodetector to produce electrical synchronisation signals, and comprises an electronic synchronisation circuit to regulate driving means or the said exposure device, and to synchronise the said electronic comparison circuits, and a light chopping device which is in the form of a rotary chopper disc pierced by numerous openings which are arranged in a circle and are capable of alternately cutting off and letting through light from the light source at a determined chopping frequency, and comprises electronic circuits for amplifying and demodulating the electrical signals delivered by the photodetector.

Compl. Specn. 17 pages. Drgs. 3 sheets.

CLASS : 107-C.

161774.

Int. Cl. F 02 f 1/00.

INTERNAL COMBUSTION ENGINE

Applicant : MINSKY MOTORNYY ZAVOD, MINSK, ULITSA VAUPSHASOVA 4, USSR.

Inventors : 1. IVAN YAKOVLEVICH VOROBIEV, 2. VIKTOR MIKHAILOVICH ZHARNOV, 3. VIKTOR DMITRIEVICH NAUMENKO.

Application No. 1234/Cal/83 filed October 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An internal combustion engine comprising an engine block having a cylinder head mounted thereon and a cylinder head gasket interposed there between, the gasket having cylinder apertures of a diameter substantially greater than the cylinder bore, a continuous or split annular rim formed from a heat-insulating material inserted into each of the cylinder apertures, each of the rims being formed as a deformable body with elements for attachment thereof to the cylinder head gasket, the size of the deformable body of the rim being commensurable with the volume of a gas space enclosed by the cylinder head, cylinder head gasket, engine block

and the continuation of the wall of the cylinder bore, the deformable body of the rim engaging with the surfaces of the cylinder head and the engine block confined between the cylinder aperture of the cylinder head gasket and the continuation of the wall of the cylinder bore of the internal combustion engine, and wherein the engine block has cylinder liners provided with fire shoulders and the deformable body of the rim is of stepped configuration, a flat portion of which engages with the cylinder head, while the stepped portion thereof engages with an end face of the cylinder liner and with an upper surface of the fire shoulder.

Compl. Specn. 15 pages.

Drg. 3 sheets.

CLASS : 39-K.

161775.

Int. Cl. C 01 b 11/02.

METHOD AND APPARATUS FOR OBTAINING STERILIZED IMPLEMENTS

Applicant : THE SCOPAS TECHNOLOGY COMPANY, INC., OF 60 EAST 42ND STREET, NEW YORK, NEW YORK, 10165, UNITED STATES OF AMERICA.

Inventors : 1. DAVID HIRSCH ROSENBLATT, 2. AARON ABLE ROSENBLATT, 3. JOSEPH EDWARD KNAPP.

Application No. 1250/Cal/83 filed October 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A method for obtaining sterilized implements from implements having microbiologically contaminated surfaces at ambient temperatures and humidities comprising :

(a) drying the surfaces;

(b) removing substantially all of the air from contact with the surfaces; and

(c) contacting the surfaces for at least about one hour with an atmosphere consisting of a sterilizing amount of chlorine dioxide gas of at least 11 mg/l in admixture with an amount of inert gas sufficient to adjust the pressure of gas mixture to about one atmosphere and wherein said contacting is performed at a temperature which does not overly exceed ambient temperature for a time period sufficient to kill the bacterial spores on said contaminated surface.

Compl. Specn. 18 pages.

Drg. Nil.

CLASS : 107-H & 190-B.

161776.

Int. Cl. F 02 b 33/00.

RECIPROCATING INTERNAL COMBUSTION ENGINE SUPERCHARGED BY MEANS OF AN EXHAUST GAS TURBOCHARGER.

Applicant : BBC BROWN BOVERI & COMPANY LIMITED, CH-5401 BADEN, SWITZERLAND.

Inventor : 1. ERWIN MEIER.

Application No. 1284/Cal/83 filed October 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

Reciprocating internal combustion engine (1), supercharged by means of an exhaust gas turbocharger, having a compressor (4), the pressure mass flow characteristics of which are matched to the engine's characteristics in a way as to assure stable compressor operation and best possible compressor efficiency at full engine speed, having a bypass duct (8) connecting the boost air duct (5), which connects the compressor outlet to the engine inlet with the exhaust

gas duct (7), which connects the engine outlet to the inlet of turbocharger turbine, in which bypass duct are located a control device (10) and a non-return valve (9) characterised in that the exhaust gas turbine (3) has an inlet casing which is provided with a multiplicity of separate nozzle ring sectors (11), each of which nozzle sector is supplied by a duct (12), some of the ducts being provided with a shut-off device (13) for fine matching of the turbine's admission area.

Compl. Specn. 13 pages.

Drg. 2 sheets.

CLASS : 9-D & F.

161777.

Int. Cl. : C 22 c 39/06, 39/10, 39/20, 39/32, 39/34, 39/44, 39/48, 39/50, 39/54.

A PROCESS FOR PREPARING A WEAR-RESISTANT STAINLESS STEEL

Applicant : CABOT CORPORATION, AT 125 HIGHT STREET, BOSTON MASSACHUSETTS 02110, U.S.A.

Inventors : 1. PAUL CROOK, 2. RICHARD D. ZORDAN.

Application No. 1289/Cal/83 filed October 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for preparing a wear-resistant stainless steel, wherein the alloy composition consists essentially of, in weight percent, 10 to 40 chromium, 5 to 15 nickel, 20 maximum nickel plus manganese, 3 to 7 silicon, .25 to 3.5 carbon plus boron, .2 maximum nitrogen, 10 to 40 one or more of molybdenum, tungsten, vanadium, tantalum, columbium, titanium, chromium, zirconium, and hafnium, 5 to 30 cobalt and the balance iron plus impurities.

Compl. Specn. 22 pages.

Drg. Nil.

CLASS : 11-C.

161778.

Int. Cl. A 01 k 31/00.

A KIT OF ELEMENTS FOR USE IN ERECTING CHICKEN HOUSES AND CHICKEN HOUSES ERECTED USING SAID ELEMENTS.

Applicant : T.M.H. TAASSIYOT MISHMAR HAEMEK VE-GA'ED (TAMA PLASTIC INDUSTRIES), OF KIBBUTZ MISHMAR HAEMEK, ISRAEL.

Inventors : NISSIM MASS, 2. HANAN ZUR.

Application No. 1311/Cal/83 filed October 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A kit of elements for use in erecting chicken houses having individual cells for single egg laying hens, said elements comprising plurality of partitions each having a body portion comprising, in erected position, top, bottom and vertical side edges, at least one of said vertical edge having a lowermost portion protruding out from the body and forming a slot so as to serve as means for supporting a band conveyor;

means for interconnecting said partitions;

means for covering the surface to be formed by the top edges of the partitions; and

optionally panels adapted to cover the surface to be formed by the vertical edges of the partitions remote from the protruded vertical edges; and

at least one band conveyor and parts and fitting thereof.

Compl. Specn. 11 pages.

Drg. 7 sheets.

CLASS : 68-B.

161779.

Int. Cl. H 02 g 7/12, 1/14.

DAMPING SPACER FOR BUNDLE CONDUCTORS OF HIGH-VOLTAGE ELECTRIC LINES, WITH IMPROVED DAMPING EFFECTIVENESS.

Applicant : A. SALVI & C.S.p.A., OF VIA E. COSENZ. 32, 20157 MILANO, ITALY.

Inventor : I. GIORGIO DIANA.

Application No. 1468/Cal/83 filed November 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Damping spacer for bundle conductors of high-voltage electric lines comprising, in known manner, a stiff central body and at least two connecting clamps, each anchored to a respective sub-conductor of the bundle, each clamp having a rigid extension connected, through at least one springing hinge, element, to said stiff central body, characterized in that, inertial masses are furthermore rigidly associated to said central body, by means of rigid arms fixedly connected to the central body, at the hinge axes, outwardly projecting therefrom and carrying at the free ends of said inertial masses, the barycenter of each interted mass being far from the barycenter of the central body and beyond the axis of the respective hinge.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 14-C & 69-C & I.

161780.

Int. Cl. H 01 h 35/00; H 01 m 27/00.

AIR CELL BATTERY.

Applicant : DURACELL INTERNATIONAL INC., AT BERKSHIRE INDUSTRIAL PARK, BETHEL, CONNECTICUT-06801, UNITED STATES OF AMERICA.

Inventors : 1. HENRY FRANK GIBBARD, 2. RICHARD C MURRAY.

Application No. 1480/Cal/83 filed December 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An air cell battery comprising :

an anode casing containing anode material and a cathode casing containing cathode material, said cathode casing having an opening;

an insulator located between and attached to said anode casing, and said cathode casing and a separator positioned between said anode material and said cathode material;

a bidirectional gas switch comprising :

a single membrane covering said opening in said cathode casing, said membrane having at least first and second sides and having at least one formed passageway having a predetermined geometry, said membrane and said cathode and anode casings thereby defining an inner region within said air cell battery and an outer region external to the air cell battery;

a liquid having a low vapor pressure contained at least within said passageway of said membrane when a pressure difference across said membrane between said inner and outer regions is less than a first predetermined value, thereby preventing an exchange of gas between said inner region and said outer region and said outer region, said liquid flowing substantially out of said passageway and onto a side of said membrane adjacent said gas containing region having a lower pressure value when the air cell battery supplies electrical current and oxygen is extracted from said inner region to

cause said pressure difference across said membrane to exceed a second predetermined value thereby opening said passageway and allowing oxygen from said outer region to move into said inner region,

and wherein, when the air cell battery ceases to supply electrical current, said pressure difference becomes less than said first predetermined value and said liquid flows back into said passageway thereby closing said passageway.

Compl. Specn. 11 pages.

Drg. 2 sheets.

CLASS : 4AS₁(4).

161781.

Int. Cl. B64c 27/04.

"MULTI-DIRECTIONAL SUSPENSION MEANS FOR THE MAIN GEAR BOX OF A ROTOR AIRCRAFT".

Applicant : SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE, a French company, of 37 Boulevard de Montmorency-Paris, (Seine) France.

Inventors : RENE LOUIS MOUILLE & EDWIN ORTEGA.

Application for patent No. 183/Del/79 filed on 20th March 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

16 Claims.

Multi-directional suspension means for the main gear box of a rotor aircraft, said gear box being carried by a support in the fuselage of said rotor aircraft and being subject to the rotary torque from the main rotor of said rotor aircraft about its axis of rotation and to the static and dynamic stresses in directions perpendicular to said axis, said means absorbing the reactive torque into the fuselage and providing an elastic connection between the said gear box and the said fuselage so as to transmit static stresses and simultaneously damp vibrations in relation to the fuselage, said means comprising a plate rigid with the gear box and situated in a plane substantially at right angle to the said axis, an assembly of rotationally rigid connecting elements between the plate and the fuselage providing for absorption of the rotary torque, and an assembly of flexible connecting elements between the plate and the fuselage which allow translatory flexion between the plate and the fuselage allowing the plate to perform limited movements in any direction in its plane, the said assembly of rotationally rigid connecting elements being deformable and not opposing said movements.

Complete specification 25 pages.

Drawing 5 sheets.

CLASS : 187C

1—3

Int. Cl. : H04j 3/06.

"MULTI-GENERATOR EXTERNALLY SYNCHRONIZED TIMEBASE".

Applicant : COMPAGNIE INDUSTRIELLE DES TELECOMMUNICATIONS CIT ALCATEL, of 12, rue de la Baume, 75008 Paris, France, a French Body Corporate.

Inventors : ANDRE LANKAR & ALAIN LALANNE.

Application for patent no. 450/Del/84 filed on 31st May, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A multi-generator externally synchronized timebase, comprising in each generator :

—a voltage controlled oscillator generating a first clock signal;

—a first differential phase comparator having respective inputs connected to receive an external synchronization signal and an output synchronization signal from said generator;

—a second differential phase comparator having respective outputs connected to receive an individual majority clock signal from said generator and an output signal from said voltage controlled oscillator;

—a calibration circuit having a threshold detector connected to the output of said first phase comparator, a calibration voltage adjustment circuit connected to the outputs of said threshold detector and a trigger circuit receiving the output synchronization signal from said generator and controlling inputs of said calibration voltage adjustments circuit;

—a summing circuit having a first, a second and a third input respectively connected to the output of said calibration voltage adjustment circuit, to the output of the first phase comparator circuit and to the output of the second phase comparator circuit, said summing circuit having its own output connected to a voltage controlled input of said voltage controlled oscillator;

—a first voter (majority decision logic circuit) derivating the said majority clock signal of said generator from the individual first clock signals respectively generated in each generator of said timebase; and

—a second voter derivating the output synchronization signal of said generator from the individual output synchronization signals respectively generated in each generator of said timebase.

Complete specification 28 pages.

Drawing 7 sheets.

CLASS : 95 I & 129 G.

161783.

Int. Cl. : B26b 13/00.

"UNIVERSAL OFFSET SNIPS FOR CUTTING WIRE AND SHEET METAL".

Applicant : PROSNIP CORPORATION, a corporation organised and existing under the laws of the State of Nebraska, U.S.A., of De Wit, Nebraska 68341, U.S.A.

Inventors : JAMES RICHARD OKEEFFE, GARY LEE PETERSEN & BURRELL THADEUS BURNLEY.

Application for patent No. 573/Del/84 filed on 12th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

Universal offset snips for cutting wire and sheet metal in substantially any direction, having upper and lower blade members having respectively flat first and second pivot bosses and first and second cutting surfaces offset with respect to the plane of said first and second pivot bosses; and pivot means pivotably connecting the upper and lower blade members for rotation about an axis perpendicular to the first and second pivot bosses by opposite handle means pivoting the upper and lower blade members about said pivot means such that the first and second cutting surfaces are movable between an open position and a closed position for cutting sheet metal therebetween; comprising:

an upwardly extending portion of said first pivot boss forming a beveled chisel edge of a wire cutter and the first cutting surface being simultaneously positioned for removal of material therefrom while at the same time thereof sharpening said chisel edge; an upwardly extending portion on said lower blade member forms as an opposing wire cutter surface to said chisel edge;

Both said pivot bosses and the cutting surfaces are for removal of materials therefrom for sharpening the cutting surfaces while maintaining the offsets therebetween with the first and second pivot bosses serving as reference surfaces to facilitate sharpening of the offset snips; and

the opposing surfaces of said wire cutter confining the full face width of said chisel edge, whereby pinching and engaging of said wire during cutting is precluded, and said offset snips are capable of small opposing circle cuts down to at least about 2—0" to 2.6" in diameter.

Complete specification 36 pages.

Drawing 4 sheets.

CLASS : 85C.

161784.

Int. Cl. : F27d 3/00.

"DEVICE FOR DRIVING AN OSCILLATING SPOUT".

Applicant : PAUL WURTH S.A., a company organised under the laws of the Grand-Duchy of Luxembourg, of 32 rue d'Alsace, Luxembourg, Grand-Duchy of Luxembourg.

Inventor : PIERRE MAILLIET, EMILE LONARDI & GIOVANNI CIMENTI.

Application for patent no. 821/Del/1984 filed on 23rd October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A device for driving an oscillating spout, capable of pivoting about two orthogonal axes under the action of a pivoting control arm with the same degrees of freedom as the spout, comprising a transmission mechanism for reproducing the movement of the control arm on the spout and vice versa and a control mechanism articulated to an intermediate lever articulated in its turn to the end of the control arm, the control mechanism causing the hinge consisting of the control arm and the intermediate lever to turn about a vertical axis and to modify its aperture angle in respect of the said axis, a rotary cage supported by means of a bearing on a casing closed by a cowl; said rotary cage being provided with a toothed rim actuated by a first motor, said motor being connected to said casing by means of a control rod and to said cage by means of pinion coaxial with said rotary cage and capable of sliding in the axial direction and connected for this purpose to a second motor likewise affixed to the case, by a traverse engaging via a bearing the end of a control rod in such a way as to be integral therewith in the axial direction but free to rotate in relation thereto, and connected to the rotary cage to rotate therewith but free to move in the axial direction in relation to the said cage, the intermediate lever being articulated to the said traverse by its end opposite that connected to the control arm.

Complete specification 9 pages.

Drawing one sheet.

Class : 108 C (3).

161785

Int. Class : C21c 7/00.

Title : A PROCESS FOR THE PRODUCTION OF DE-CARBURISED STEEL BY RAPID DE-CARBURIZATION.

Applicant : UNION CARBIDE CORPORATION, Manufacturers, a corporation organised and existing under the laws of the State of New York, United States of America, with offices at Old Ridgebury Road, Danbury, State of Connecticut 06817, United States of America.

Inventor : STEVART KEENEY MEHLAMAN.

Application for patent No. 861/Del/84 filed on 13th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(CLAIMS 10)

A process for the production of decarburized steel by rapid decarburization of a steel melt to a predetermined carbon content which comprises :

(A) injecting oxygen and powdered lime into a molten metal bath having a carbon content of at least 1.0 weight percent from above the surface thereof while simultaneously injecting oxygen and inert gas into the melt from below the melt surface, the amount of top injected oxygen being from 0.5 to 3 times the amount of bottom injected oxygen to decarburize the melt until the melt has a carbon content of at least 0.1 weight percent, but not more than 0.5 weight percent, greater than the predetermined carbon content;

(B) thereafter-discontinuing the top injection of oxygen and powdered lime while continuing the injection of oxygen and inert gas into the melt from below the melt surface to decarburize the melt until the predetermined carbon content is attained.

(COMPLETE SPECIFICATION 19 PAGES).

Class : 4A. 161786

Int. Class : B64d 25/00.

Title : A HOT AIR LEAK SENSOR FOR DETECTING LEAKS IN DUCTING WITHIN AN AIRCRAFT FUSELAGE.

Applicant : SANTA-BARBARA RESEARCH CENTER, a company organised and existing under the laws of the State of California, United States of America, having a principal place of business at 75 Coromar Drive, Goleta, State of California, United States of America.

Inventors : MARK THOMAS KERN, ROBERT JOSEPH CINZORI & WILLIAM D. FULLER.

Application for Patent No. 871/Del/84 filed on 16th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-110005.

(CLAIMS 15)

A hot air leak sensor for detecting leaks inducting within an aircraft fuselage, comprising :

a housing;

an infrared detector fixedly mounted in said housing and having a predetermined optical field of view, said detector producing a threshold signal level when a thermal energy source of a predetermined strength is within said optical field of view, and

re-radiating means connected to said detector and located in an airstream within the fuselage and within the field of view of the detector for absorbing thermal energy from the airstream due to a hot air leak unstream of said re-radiating means and re-radiating thermal energy to said detector.

(COMPLETE SPECIFICATION 18 PAGES
DRAWING SHEET 1)

Class : 129 A. 161787

Int. Class : B21f 27/00.

Title : METHOD OF MAKING ROPES AND ROPE-TWISTING MACHINE FOR CARRYING OUT THE METHOD.

Applicant : VSESOUJZNY NAUCHNO- ISSLEDOVATELSKY INSTITUT METIZNOI PROMYSHLENNOSTI "VNIIMETIZ", of ulitsa 9-go Maya, I, Magnitogorsk, Chelyabinskaya Oblast, U.S.S.R., an Institute organised and existing under the laws of U.S.S.R.

Inventors : MIKHAIL FEDOROVICH GLUSHKO, VIKTOR KLIMENTIEVICH SKALATSKY & ANATOLY DMITRIEVICH ZAKHRYAMIN.

Application for Patent No. 909/Del/84 filed on 29th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-110005.

(CLAIMS 11)

A method of making ropes comprising squeezing rope elements to a shaped cross sectional configuration on a mandrel and twisting them into a rope characterised in that prior to twisting each rope element it is periodically squeezed along its length in portions with alternating periods of squeezing and free passage on the mandrel.

(COMPLETE SPECIFICATION 18 PAGES
DRAWING SHEETS 7).

Class : 116 H.

161788

Int. Class : B65g 33/00.

"APPARATUS FOR CONVEYING SOLID PARTICULATE MATERIAL".

Applicant : FULLER COMPANY, a corporation organised under the laws of the State of Delaware, U.S.A., of 2040 Avenue "C" P.O. Box 2040, Bethlehem, Pennsylvania 18001, United States of America.

Inventors : LOUIS JOHN DIBUO, PAUL FRANKLIN SOLT & MARVYN LEROY SOUDERS.

Application for patent No. 916/Del/84 filed on 4th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Branch, New Delhi-5.

(10 claims)

Apparatus for conveying solid particulate material comprising a casing having an inlet for solid particulate material to be conveyed and multiple outlets for discharging solid particulate material;

a screw impeller mounted in said casing for advancing solid particulate material from said inlet to said outlets;

a pair of bearing means each operatively mounted in one end of the casing for rotatably mounting said screw impeller in said casing;

a discharge chamber flow connected with the outlets of said casing having a pair of openings therein, one defining an inlet for gaseous fluid under pressure and the other defining an outlet for gaseous fluid and entrained solid material, said outlet being connected to a conduit for conveying solid particulate material away from said discharge chamber whereby solid particulate material advanced from said inlet for solid particulate material is discharged from said casing through said outlets into said discharge chamber and gaseous fluid under pressure supplied to said discharge chamber entrains the solid particulate material and conveys the material through the conduit to which it is connected.

(Complete specification 15 pages Drawing 1 sheet).

CLASS : 127 I.

161789

Int. Class : F16b 1/00.

A CONNECTION DEVICE FOR RELEASABLY INTERCONNECTING TWO SEPARABLE MEMBERS, FOR EXAMPLE A RECEPTACLE AND ITS LID.

Applicant : SAMSONITE CORPORATION, OF 11 200 EAST FORTY-FIFTH AVENUE, DENVER, COLORADO 80239, UNITED STATES OF AMERICA.

Inventors : RENE CASTELLI, WILLIBARD VAN HOYE, GERHARD ULF RASCH KLAUS DIETER HESSE & RICHARD MILFS.

Application for patent No. 924/Del/84 filed on 10th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972) Patent Office Branch, New Delhi-5.

(8 claims)

A connection device for releasably interconnecting two separable members, for example a receptacle and its lid, said connection device having an upper component consisting of a hook for connection to one of said separable members, a lower component of the connection device for connection to other of said separable components, an elongated lever pivotably connected to the lower component, a counterhook a first end of said lever for engaging said hook when the connection device is in a closed position to hold said two separable members together and for disengaging from said hook when the connection device is in an open position to allow the

two separable members to separate, characterised in pivotable means pivotably connecting a second end of the lever to the lower component and to allow the first end of the lever to move outward and away from the lower component when the connection device is in its open position and to allow movement of said lever causing the counterhook to disengage from the hook in the open position of the connection device, a snapper pivotably connected to the second end of the lever, a locking projection extending from said snapper, a projecting locking member connected to the lower component, the locking projection and the projecting locking member being engageable with one another to prevent the second end of the lever from moving outwardly away from said lower component when the locking projection is pivoted into a first position and the connection device is closed, the locking projection and the locking member also being disengageable from one another when the locking projections is pivoted to a second position to allow the second end of the lever to move outward from the lower component and the connection device is open, the snapper being provided with a spring for holding it with its locking projection in a locked position with respect to the projecting locking member of the lower component.

Complete specification 22 pages.

Drawing 4 sheets.

CLASS : 205 H.

161790

Int. Class : B60 5/00.

"PNEUMATIC TIRE."

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 1144 EAST MARKET STREET, AKRON, OHIO 44316-0001, UNITED STATES OF AMERICA.

Inventors : RONALD THEODORE ELS & JACQUES RENE SMEETS.

Application for patent No. 229/Del/85 filed on 18th March 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(12 claims)

A pneumatic tire comprising two spaced bead portions and cross bias plies extending from one bead portion to the other, a tread having a pair of lateral edges with shoulder portions extending radially inwardly from each lateral edge of the tread, said tread having circumferentially extending grooves therein, characterised by having a pair of shoulder ribs extending circumferentially around the tire and extending axially inwardly from a respective lateral edge of the tread to one of said circumferentially extending grooves and having a maximum axial width of 17% of the tread width, each of said shoulder portions having a plurality of notches therein that are circumferentially spaced apart from each other by lands, each notch extending radially inwardly from the respective lateral edge of the tread to a depth substantially equal to the depth of the deepest of said circumferentially extending grooves, said notches and said lands having circumferential width such that the ratio of the circumferential width of each notch to the circumferential width of the next adjacent lands is between 1:0.8 and 1:1.25.

Complete specification 12 pages.

Drawing 3 sheets.

CLASS : 70-B.

161791

Int. Cl. : C 22 d 1/02 & 1/00.

ELECTROLYTIC CELL FOR RECOVERY OF METALS FROM METAL BEARING MATERIALS.

Applicant : DEXTEC METALLURGICAL PTY. LTD. OF 124 WALKER STREET, NORTH SYDNEY, NSW SOUTH WALES 2060, AUSTRALIA.

Inventors : 1. PETER KENNETH EVERETT.

Application No. 1509/Cal/83 filed December 9, 1983.
2-447 G1/87

Convention dated 10th December, 1982 (PF 7223) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

An electrolytic cell for recovery of metal from mineral ores or concentrates comprising :

- (a) a tank adapted to hold a slurry of electrolyte and said mineral ores or concentrates,
- (b) means within the tank for agitating said slurry,
- (c) a plurality of vertical anodes radially disposed in said tank,
- (d) porous diaphragm bag means which surround said cathodes from the electrolyte slurry.

Compl. Specn. 17 pages.

Drg. 2 sheets.

CLASS :: 187-H.

161792

Int. Cl. : H 03 k 13/00.

A CIRCUIT FOR COMBINING AND SPLITTING SPEECH AND DATA FOR TRANSMISSION.

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 10022, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : NICHOLAS JOHN ROBERT CARTER, FRANCISCO ARTURO MIDDLETON AND SANTANU DAS.

Application No. 1514/Cal/83 filed December 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Calcutta.

13 Claims

A circuit for combining and splitting speech and data for transmission through a digital switching network between two or more terminal sources, comprising means for receiving and retiming frames of digitally encoded multibit words in a plurality of channels from the terminal sources, some of which bits of the multibit words comprise a digital speech sample, means for receiving and retiming frames of N bit data words in a plurality of channels from the terminal sources, means for deriving two or more nibble data words from each of the N bit words, each of the nibble data words having less than N bits of the N bit data word therein, means for inserting the desired Nibble data words into the digitally encoded multibit words in such a way that the digital speech sample and one of the nibble data words are each inserted within each of the digitally encoded multibit words in a designated channel of the frame, and the other of the nibble data words are inserted in the following frames in multibit digital words in the same channel as the next digital speech samples, and means for transmitting the frames of channels containing the multibit digital words containing the digital speech samples and the nibble data words to the digital switching network.

Compl. Specn. 31 pages.

Drg. 8 sheet.

CLASS : 32-F.

161793

Int. Cl. : C 08 f 3/00 and 15/00.

CONTINUOUS PROCESS FOR THE MANUFACTURE OF HOMOPOLYMERS OF ETHYLENE OR COPOLYMERS OF ETHYLENE WITH AT LEAST ONE α OLIFINE.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES S.A. OF TOUR AUROREPLACE DES REFFLETS, F-92080 PARIS LA DEFENCE, CEDEX 5, FRANCE.

Inventors : 1 LEVRESSE BERNARD, 2. HILT EDMOND
3. BUJADOUX KAREL.

Application No. 1544/Cal/83 filed December 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Continuous process for the manufacture of homopolymers of ethylene or of copolymers of ethylene with at least one α -olefine containing from 3 to 8 carbon atoms comprising in succession :

- (a) a first stage for homopolymerising ethylene or (co) polymerising ethylene with at least one α -olefine at a temperature of between 180 and 320°C, at a pressure of between 300 and 2,500 bars, in the presence of a catalytic system comprising at least one halogenated compound of a transition metal from groups IVA to VIA of the periodic System and at least one activator selected from the hydrides and the organometallic compounds of metals of groups I to III of the periodic System, the molar ratio of the activator to the transition metal compound being between 1 and 10,
- (b) a second stage for separating the homopolymer or (co)-polymer formed from the unreacted monomer(s), at a pressure of between 100 and 500 bars,
- (c) a third stage for recycling the unreacted monomer(s), and
- (d) A fourth stage for recompression up to the (co)-polymerisation pressure (300 to 2500 bars), characterised by introducing by means known per se into the stream of recycled monomer(s) during the said third stage, at least one compound selected from the amides of saturated or unsaturated organic acids containing from 12 to 22 carbon atoms, polyalkylene polyols containing from 4 to 500 carbon atoms, and compounds such as herein described containing at least 2 epoxide functions, with a molecular weight greater than 200 the quantity of the said compound being between 0.005 and 0.1 mole per tonne of recycled monomer(s).

Compl. Specn. 12 pages.

Drg. 2 sheets.

CLASS : 128-K.

161794

Int. Cl. : A 61 b 1/00, 1/06, 1/30, 1/26.

ENDOSCOPE WITH AN APPLIANCE FOR INTRODUCTION INTO AN INSTRUMENT WITH BALL MAGNET VALVE.

Applicant : VEB KOMBINAT MEDIZIN-UND LABOR-TECHNIK LEIPZIG, OF FRANZ-ELMMING-STR. 43-45, 7035 LEIPZIG, EAST GERMANY.

Inventors : 1. DIPL. ING. JUERGEN RANK, 2. ING. WOLFGANG BARTHEL, 3. GERHARD HAUSIG.

Application No 1545/Cal/83 filed December 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Claim 1

Endoscope with an appliance for the introduction into an instrument with a ball magnet valve, while the anterior front area of the endoscope is provided with a notch for displacement of the ball of the magnet valve, characterized by the fact that the outerdistal part of the endoscope (6) consists of a cartridge-shaped endpiece (10), which at its anterior front area is provided with two oppositely situated similar cylinder segments (11), the straight edges of which form an acute angle to each other to define a notch of continuously changing width and serve as roll off edges for the ball.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 32-E.

161795

Int. Cl. : C 08 f 3/00, 3/04, 15/00.

IMPROVED CONTINUOUS PROCESS FOR THE MANUFACTURE OF HOMOPOLYMERS OF ETHYLENE-OR COPOLYMERS OF ETHYLENE WITH AT LEAST ONE α -OLEFIN.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES S.A., OF TOUR AURORE-PLACE DES REFLETS, F-92080 PARIS LA DEFENSE, CEDEX 5 FRANCE.

Inventors : 1. MACHON JEAN-PIERRE, 2 BUJADOUX KAREL, 3. RISBOURG VICTOR.

Application No. 1558/Cal/83 filed December 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Continuous process for the manufacture of homopolymers of ethylene or of copolymers of ethylene with at least one α -olefine containing from 3 to 8 carbon atoms, comprising in succession :

- (a) a first stage for homopolymerising ethylene or (co)-polymerising ethylene with at least one α -olefine at a temperature of between 180 and 320°C, at a pressure of between 300 and 2,500 bars, in the presence of a catalytic system comprising, at least one halogenated compound of a transition metal from groups IVa to VIa of the Periodic System and at least one activator selected from the hydrides and the organometallic compounds of metals of groups I to III of the Periodic System, the molar ratio of the activator to the transition metal compound being between 1 and 10.
- (b) second stage for separating the homopolymer of (c)-polymer formed from the unreacted monomer(s), at a pressure of between 100 and 500 bars,
- (c) a third stage for recycling the unreacted monomer(s), and
- (d) a fourth stage for recompression up to the polymerisation/co-polymerisation pressures, (300 to 2500 bars),

characterised by introducing by means known per se into the reaction medium at the end of the first stage, at least one compound such as herein described selected from monoketones containing from 3 to 10 carbon atoms, diketones containing from 4 to 11 carbon atoms, monoalcohols containing from 1 to 14 carbon atoms, polyalcohols containing from 2 to 10 carbon atoms, and water, the molar flowrate of the said compound being between 0.5 and 6 times the atomic flowrate of the transition metal or metals of the catalytic system.

Compl. Specn. 17 pages.

Drg. 2 sheets.

CLASS : 50-B & D; 164-C; 206-E.

161796

Int. Cl. : F 28 c 1/00.

A SYSTEM FOR CONTROLLING THE OPERATION OF A COOLING TOWER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. AZMI KAYA, 2. WILLIAM HARRIS.

Application No. 5/Cal/84 filed January 3, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A system for controlling the operation of a cooling tower comprising means for measuring one or more of the physical properties of the air surrounding the cooling tower, means for determining the wet bulb temperature of the air surrounding the cooling tower from the measurements of the physical properties produced by said measuring means, and means for comparing said wet bulb temperature of the air surrounding the cooling tower with the temperature of the water within the cooling tower and producing an output signal being response to a difference there between said output signal being utilized to control the temperature of the water within the cooling tower.

Compl. Specn. 11 pages.

Drg. 3 Sheets.

CLASS : 116-A; 157-D.-5.

161797

Int. Cl. : E 01 b 25/00.

IN A TRANSPORTATION SYSTEM FOR USE WITH A WHEELED VEHICLE A WHEEL SUPPORTING GUIDEWAY.

Applicant : REGENTS OF THE UNIVERSITY OF MINNESOTA 1919 UNIVERSITY AVENUE—5TH FLOOR ST. PAUL, MINNESOTA 55104 U.S.A.

Inventor : J. EDWARD ANDERSON.

Application No. 13/Cal/84 filed January 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

In a transportation system for use with a wheeled vehicle a wheel supporting guideway comprising :

- a pair of upper horizontal stringers located parallel to each other and generally defining the width of said guideway and a pair of lower horizontal stringers located parallel to each other and placed parallel to and below said upper horizontal stringers;
- a plurality of vertically oriented diagonal members affixed to said upper and lower horizontal stringers and lying in vertical plane;
- a plurality of horizontally oriented diagonal members affixed to and joining each of said lower horizontal stringers; said stringers and said diagonal members defining a guideway having an upwardly extending generally U-shaped construction;
- a pair of main wheel support channels affixed to said guideway above said horizontal diagonal member and generally between said vertical diagonal members;
- means for substantially enclosing said guideway but for an upper vehicle passage slit located between said upper horizontal stringers and a lower drainage slit located between said lower horizontal stringers;
- a plurality of guideway sections, each section being a substantially uniform length and affixed in end to end relation forming a continuous guideway.

Compl. Specn. 19 Pages.

Drg. 5 Sheets.

CLASS : 69-I.

161798

Int. Cl. : B 66 d 1/48.

PRECISION LIMIT SWITCH.

Applicant & Inventor : NABA KUMAR BANDOPADHAY, OF 144, JODHPUR PARK, CALCUTTA-700068, WEST BENGAL, INDIA.

Application No. 26/Cal/84 filed January 11, 1984.

Complete Specification left on 11th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A limit switch for precision control of the length of travel/movement of an equipment, e.g. crane or hoist within predetermined limit, comprising a rotatable screw-shaft, supported in a housing, and having a riding nut, one end of the said screw-shaft being adapted to be coupled, through speed-changing arrangement, if necessary, to any desired point of transmission of rotary movement of an electric motor to the said equipment for causing the travel/movement of the equipment, means provided with the said nut to restrict the angular movement thereof with the rotation of the screw-shaft and consequently to cause the nut to move linearly through a predetermined length corresponding to the desired length of travel movement of the equipment, and also to allow the nut to move angularly along with the rotating screw-shaft at either point of limit of said predetermined length, and the said nut being also provided with one or more actuating arm(s), the arrangement being such that the said actuating arm(s) is (are) adapted to actuate a switch provided in the housing at each end of the said predetermined length of movement of the nut along the screw-shaft, for cutting off the power supply to the motor, with the angular movement of the nut at the said limit point at either end of the predetermined length.

Compl. Specn 11 pages.

Drg. Nil.

CLASS : 190-C.

161799

Int. Cl. : F 03 a 13/10.

WATER TURBINE GENERATOR.

Applicant & Inventor : NABA KUMAR BANDOPADHAY, OF 144, JODHPUR PARK CALCUTTA-700068, WEST BENGAL, INDIA.

Application No. 27/Cal/84 filed January 11, 1984.

Complete Specification left on 11th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

A water-turbine-generator comprising a turbine assembly, provided singly, or in plurality which are coupled to each other, said turbine assembly being adapted to be immersed in different water levels cross-currently or concurrently with the flow of water and caused to be rotated by the said water flow with or without control of said water flow by gate(s) or barrage(s)/dam(s) a fixed or vertically movable supporting structure for said turbine assembly, means to transmit the rotary motion of the turbine assembly to one or more generator(s) disposed remotely from the water head and for actuating the said generator(s), and means to raise and lower the turbine assembly, or to move the turbine assembly angularly in the horizontal plane with pivot arrangement at the two or one end(s) of the turbine assembly, through said supporting structure, when movable, depending on the water level and the desired electric power to be generated by the generator(s).

Compl. Specn. 17 pages.

Drg. Nil

CLASS : 32-A1

161800

Int. Cl. : C 09 b 27/00 to 45/00.

PROCESS FOR THE PREPARATION OF A FIBER-REACTIVE YELLOW AZO DYESTUFFS.

Applicant : AMERICAN HOECHST CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY 08876, UNITED STATES OF AMERICA.

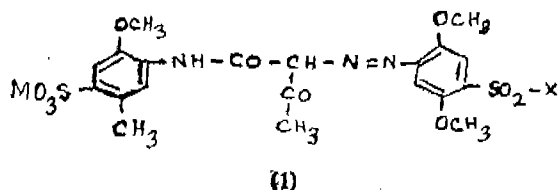
Inventors : 1. ANTHONY J. CORSO, 2. THOMAS S. PHILLIPS.

Application No. 106/Cal/84 filed February 15, 1984.

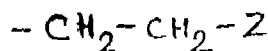
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the preparation of dyestuff of the general formula (1) of the accompanying drawings

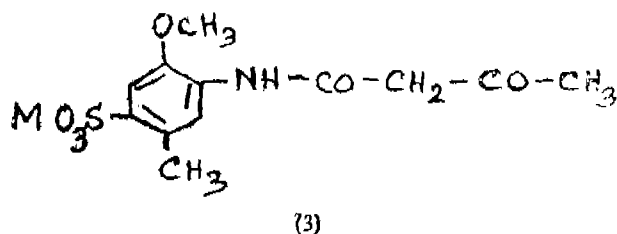


wherein M is hydrogen or an alkali metal, or the equivalent of an alkaline earth metal, and X is the vinyl group or a group of the general formula (2)

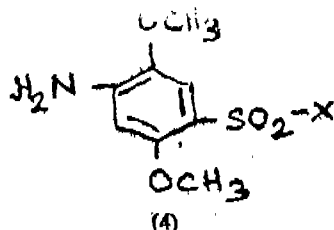


(2)

in which Z is hydroxy, chlorine, bromine, sulfato, thosulfato, phosphato, acetyloxy, propionyloxy or di (lower alkyl)-amino, which comprises coupling a compound of the formula (3)



in which M is defined as above, with a diazotized amino compound of the general formula (4)



in which X is defined as above.

Compl. Specn. 10 pages.

Drg. 2 sheets.

CLASS : 28 B.

161801

Int. Cl : F23d 1/00.

AN IMPROVED BURNER FOR USE IN A ROTARY KILN OF CEMENT PLANT.

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS (FORMERLY KNOWN AS CEMENT RESEARCH INSTITUTE OF INDIA) A BODY UNDER THE GOVERNMENT OF INDIA DIVOTED TO RESEARCH, TECHNOLOGY DEVELOPMENT AND TRANSFER, EDUCATION AND INDUSTRIAL SERVICES, M-10, SOUTH EXTENSION, PART-II RING ROAD, NEW DELHI-110049, INDIA.

Inventors : MADDALI VENKATA RANGA RAO, NARALASETTI VENKATA RAVISANKAR MOHAN & VIJAY KUMAR ARORA.

Application for patent No. 180/Del/84 filed on 29th February, 1984.

Complete specification left on 29th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved burner for use in the rotary kiln of a cement plant, where the fuel consists of pulverized coal having an ash content of upto 40%, comprising of a plurality of converging sections and throat sections, characterized in that the inlet comprises a converging section and the outlet comprises a throat section, the inlet diameter Din of the burner being 1.6 to 2.4De and where De is the exit diameter, the ratio of De/DK being 0.05 to 0.11, DK being the diameter of the kiln.

(Provisional specification 5 pages).

Complete specification 7 pages.

Drg. 1 sheet.

CLASS : 36A3.

161802

Int. Cl. : F04d 29/38.

"AN IMPELLER FOR A DOUBLE INLET CENTRIFUGAL FAN."

Applicant : JAMES HOWDEN & COMPANY LIMITED, A BRITISH COMPANY, OF 195, SCOTLAND STREET, GLASGOW G5 8PJ, SCOTLAND.

Inventor : WILLIAM WALLACE WHITE.

Application for patent No. 535/Del/84 filed on 3rd July, 1984.

Convention date 5th July, 1983/8318222/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

An impeller for a double inlet centrifugal fan including a centre plate to be mounted for rotation about an axis of the impeller, which is perpendicular to the centre plate, and blades extending on both sides of the centre plate, characterized in that a plurality of securing blocks are welded to the centre plate, and in that the blades are welded to the blocks.

Complete specn. 13 pages.

Drg. 5 sheets.

CLASS : 61I & 62E.

161803

Int. Class : O06f 33/02, 25/00, 37/26 & 37/40.

"AN IMPROVED ELECTRICALLY OPERATED TWIN TUB WASHING MACHINE".

Applicant : NIKY TASHA INDIA PVT. LTD., of E1 & 2 Mahajan House, NDSE, New Delhi, India, an Indian company.

Inventors : RITU NANDA & LADU RAM.

Application for patent No. 578/Del/84 filed on 16th July 1984.

Complete specification left on 18th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(17 claims)

An improved electrically operated twin tub washing machine comprising a cabinet having a washing unit and drier unit disposed therein, both units being adapted to be connected to the power source through its respective switches, said drier unit comprising a rotatable drum disposed within an outer stationary drum, an opening having a lid or cover member being provided in the rotatable drum for introduction and removal of clothes from said rotatable drum, said rotatable drum being mounted on a shaft coupled to the shaft of a motor, said motor being suspended by means of springs from the base of said cabinet, an outlet with said stationary drum for drainage of water, a braking mechanism for preventing rotation of said rotatable drum and actuated by the lid or cover member, a microswitch in the circuit of said braking mechanism for connecting the motor to a power source, said washing unit comprising a washing tank having an inlet for connection to a water source and outlet for drainage of water, an opening with a lid or cover member for introduction and removal of clothes from said tank, and an impeller disposed within said washing tank and connected to a motor, said impeller being disposed at an inclination with respect to the horizontal and the vertical axis of said tank, a plurality of spaced ribs being provided on said impeller.

(Provisional specification 5 pages Drawing 1 sheet)
(Complete specification 18 pages Drawing 5 sheets)

CLASS : 99 A. 161804

Int. Class : A47j 47/00.

PLASTICS CONTAINER.

Applicant : ERIK BOCK, a Danish citizen, of Ejby Strandvej 3, DK-4070 Kr. Hylinge, Denmark.

Inventor : ERIK BOCK.

Application for Patent No. 615/Del/84 filed on 30th July 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 17)

A container made of flexible resilient plastics material, the container having :

a sidewall; and

a rim portion on the sidewall, characterised in that the rim portion has an internal diameter (or equivalent) not less than the largest internal diameter (or equivalent) of the rest of the container; and

a hinge portion forms the rim portion and the sidewall, the hinge portion being of substantially less thickness than the rim portion and the sidewall, and the sidewall, rim portion and hinge portion being moulded in one piece whereby the rim portion is foldable inwardly and then held in position bearing against an inside of the sidewall, the rim portion when folded inwardly projecting inwards from the sidewall.

(Complete specification 14 pages Drawing Sheets 4)

CLASS : 133B. 161805

Int. Class : H02p 1/02.

REGULATORS FOR ELECTRIC CEILING FANS.

Applicant : THE JAY ENGINEERING WORKS LTD., whose registered office at 23, Kasturba Gandhi Marg, New Delhi-110001, India an Indian company.

Inventor : NARENDER PAL SINGH SHINHA.

Application for patent No. 684/Del/84 filed on 28th August 1984.

Complete specification left on 15th May 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(6 Claims)

A regulator for ceiling fans comprising a base member and a cover member characterized in that said base member comprises at least two strips of an insulating material secured to each other at the zone of their intersection, means for supporting a regulating switch mounted on and secured to at least one of said two strips and a regulating element, mounted on and secured to said two strips.

(Provisional specification 4 pages).

(Complete specification 9 pages Drawing 2 sheets)

CLASS : 163A. 161806

Int. Class : F04c 3/00, 19/00.

REVERSIBLE UNIDIRECTIONAL FLOW GEROTOR PUMP.

Applicant : CONCENTRIC PUMPS LIMITED, a British Company, of Unit 10, Gravelly Industrial Park, Tyburn Road, Erdington, Birmingham B24 8JW, England, United Kingdom.

Inventor : ROBIN EDWARD CHILD.

Application for patent No. 698/Del/84 filed on 5th September 1984.

Convention date 8th September 1983/8324116/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(3 Claims)

A reversible uni-directional flow gerotor pump of the kind comprising a toothed rotor arranged to be driven on a fixed axis an internally toothed annulus having more teeth than the rotor meshed with the rotor, and the annulus being externally cylindrical and located in the pump body, characterised in that

(i) an elongated carrier ring is disposed in the body with a clearance due to the elongated shape of the ring and the shape of the body interior, so that the ring is free to move in a one direction in the body.

(ii) the said annulus is disposed in the carrier ring with a clearance due to the cylindrical shape of the exterior of the annulus and the elongated shape of the ring, and so that the annulus is free to move in a second direction in the ring and

(iii) a fulcrum is provided between the body and the ring at one end of the elongated shape for movement of the ring in the first direction.

(Complete specification 8 pages Drawing 2 sheets)

CLASS : 172 D₆ & 24C. 161807

Int. Cl. : D01h 13/14.

"STOPPING DEVICE FOR SPINNING FRAMES, IN PARTICULAR FOR LONG SPINNING FRAMES".

Applicant : FRATELLI MARZOLI & Co. S.P.A., A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC OF PALAZZOLO SULL'OGGIO, BRESCIA, ITALY.

Inventor : PIERO BIANCHI MARZOLI.

Application for Patent No. 774/Del/84 filed on 5th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

Stopping device for spinning frames, in particular for long spinning frames, comprising a drawing unit on at least one of their sides, with a plurality of rows of drawing rollers with which in every spinning position upper pressure rollers co-operate, the rows of rollers being linked to each other at their ends by two gearing trains, each of such trains consisting of a number of interchangeable gears, and one of said rows of rollers being actuated in correspondence of one of its ends by an actuating electrical motor, the stopping device being characterised in that it comprises at least a mechanical disengagement part between a shaft of one of the gearing trains which transmits motion to the rows of rollers which are not directly actuated by said motor and a related gear idly assembled on said shaft, so as to allow a relative angular shift between said shaft and said related gear when a determined torsion stress is exceeded, said mechanical disengagement part consisting of clutch element (24) fastened on said shaft, of another clutch element (27) rigid for rotation with said element, but axially displaceable relatively to it, and a further clutch element (28) rigid with said gear, means being provided between said clutch element (24) fastened on said shaft and said another clutch element (27) for elastically pressing said another clutch element (27) against said further clutch element (28) said means being further provided between said another clutch element (27) and said further clutch element (28) for axially shifting said another clutch element (27) against said elastic means when an angular shift occurs between said shaft and said gear, said another clutch element (27) cooperating following its axial shift with a microswitch inserted in an auxiliary electrical circuit whereby operation of said microswitch causes disconnection of the main electrical circuit which energises the said electrical motor.

Compl. Specn. 11 pages.

Drg. 2 sheets.

CLASS : 73.

161808

Int. Class : D06u 15/00.

A NOVEL INDUSTRIAL FABRIC HAVING REDUCED PERMEABILITY AND METHOD FOR THE PRODUCTION THEREOF.

Applicant : SCAPA PORRITT LIMITED, a British company, of Cartmell Road, Blackburn BB2 2SZ, Lancashire, England.

Inventors : BRYAN JAMES GISBOURNE, & PAUL FRANCIS MYERSCOUGH.

Application for Patent No. 787/Del/84 filed on 9th October, 1984.

Convention date 9th October, 1983/8328014/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(16 claims)

An industrial fabric having reduced permeability throughout or parts therethrough comprising a continuous layer of flexible, open cell elastomeric foam provided within the fabric said layer having one face, at least, thereof contiguous or substantially contiguous with a surface of the fabric.

(Complete specification 17 pages)

Drawing 2 Sheets)

CLASS : 160 B.

161809

Int. Cl. : A61g 5/00.

"WHEELCHAIR".

Applicant : LIEUSE TECHNOLOGY LIMITED, A BRITISH COMPANY, OF 6 HORNTON PLACE, LONDON W8 4LZ, ENGLAND.

Inventor : ROBERT FENWICK.

Application for Patent No. 857/Del/84 filed on 9th November, 1984.

Convention date 14th November, 1983/8330289/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

10 Claims

A wheelchair comprising a foldable carriage, wheels rotatably supported on the carriage, and a substantially rigid seat removably connected to said carriage, characterised in that the carriage includes first locating means and first retaining means and said substantially rigid seat includes second locating means and second retaining means, and the various said locating means and retaining means are provided such that inter-engagement of the first and second locating means positions the substantially rigid seat correctly on the carriage so that pressing the substantially rigid seat on the carriage automatically spreads the carriage to a fully erected configuration; and in that the substantially rigid seat is slidably movable relative to the carriage such that this sliding movement of the substantially rigid seat in one direction results in said first and second retaining means coming into inter-engagement with one another to maintain the substantially rigid seat on the carriage.

Compl. specn. 26 pages.

Drg. 4 sheets.

CLASS : 156A.

161810

Int. Cl. : F04b 45/04.

"DIAPHRAGM PUMP FOR DISCHARGING MINUTE QUANTITIES OF LIQUID".

Applicant : M&T CHEMICALS INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., WITH EXECUTIVE OFFICES LOCATED AT ONE WOODBRIDGE CENTER, WOODBRIDGE, NEW JERSEY 07095, UNITED STATES OF AMERICA.

Inventor : GEORG HEINRICH LINDNER.

Application for Patent No. 890/Del/84 filed on 23rd November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A diaphragm pump for discharging minute quantities of liquid, said pump being adapted to be submerged in a receptacle containing the liquid to be discharged, said pump comprising :

- (a) a pump body composed of a plurality of segments,
- (b) an inlet port provided at the lower end of said body and an outlet port provided at the top of said body,
- (c) at least three spaced pumping chambers defined within said pump body between said inlet and outlet ports and in communication therewith,
- (d) conduits interconnecting said pumping chambers,
- (e) at least one pumping diaphragm secured within said body between a pair of said segments to seal off one side of each of said pumping chambers,
- (f) at least three pressure chambers defined within said body in line with said three pumping chambers on the opposite side of said pumping diaphragm,
- (g) at least three driving diaphragms secured within said pump body to seal off one side of each of said pressure chambers,
- (h) at least three displacer valves secured one to each of said driving diaphragms and to said pumping diaphragms, each valve extending from a said pressure chamber to within its aligned pumping chamber for transmissions of pressure exerted on said valve by the driving diaphragm to the pumping diaphragm,

- (i) a supply of pressurised air,
- (j) a pulse generator connected to said supply of pressurised air to produce control pulses or air, and
- (k) conduits extending from said pulse generator to said pump body to deliver said control pulses to said pressure chambers in a particular sequence and for a desired duration of time.

whereby said pump draws fluid into said pump body through said inlet port, advances said fluid sequentially from pumping chamber to pumping chamber, and then discharges said fluid to said outlet port in discrete pulses.

Compl. specn. 21 pages.

Drg. 3 sheets.

CLASS : 14-A₂.

161811

Int. Cl. B 01 k 3/10.

AN IMPROVED NEGATIVE ELECTRODE FOR LEAD ACCUMULATORS.

Applicant : HAGEN BATTERIE AG. OF THOMASTRASSE 27, 4770 SOEST, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. REINER KIESSLING.

Application No. 201/Cal/84 filed March 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 claims

An improved negative electrode for lead accumulators wherein a lead-tin alloy and a lead layer have been applied to a rectangular, expanded metal grid plate of copper, which serves as a carrier for the active mass and for supply and extracting of current, in two subsequent steps by galvanic deposition and wherein a lead strip, which is in one piece with the connection lug, is cast onto and along the whole length of one edge of the rectangular, expanded metal grid plate of copper coated with said lead-tin and lead layer, wherein the direction of stretching of the expanded metal extends parallel to the side of the rectangular grid plate at which the connection lug is provided.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 32-F₂ b; 55-D₂.

161812

Int. Cl. A 01 n 9/00; C 07 d 27/52.

METHOD FOR THE MANUFACTURE OF PHTHALIMIDE.

Applicant : NAUCHNO-ISSLEDOVATFLSKY INSTITUT KHIMIKATOV DLYA POLIMERNYKH MATERIALOV, OF TAMBOV, ULITSA MONTAZHNIKOV, 3, USSR.

Inventors : 1. ALEXANDR ALEXANDROVICH OVCHINNIKOV, 2. VLADIMIR PETROVICH DUDIN, 3. VYACHESLAV VASILFVICH KONOV, 4. JURY MEPROVICH RAPOPORT, 5. VYACHESLAV IVANOVICH KHLIBOV, 6. VALENTIN VLADIMIROVICH DAVITULIANI, 7. BORIS NIKOAEVICH GORBUNOV, 8. EVGENIA SEMENOVNA MAKAROVA.

Application No. 297/Cal/84 filed May 3, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

A method for preparing phthalimide by reacting phthalic anhydride with carbamide under heating, characterized in that phthalic anhydride and carbamide are employed in a molar ratio of 1:0.5-0.7 respectively, the process being carried out with continuous stirring of the reaction mass, and the starting

components are preheated to a temperature of 95-115°C under a pressure of 0.02-0.098 MPa till a molten mass is obtained and then under the same pressure the reaction mass is heated to a temperature of 155°C—170°C and maintained at this temperature until the gaseous reaction products ceases to evolve.

Compl. Specn. 14 pages. Drg. nil.

CLASS : 190-A.

161813

Int. Cl. H 02 n 7/00.

POWER STATION INCLUDING AN INTEGRATED COAL GASIFICATION PLANT.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, OF 433 MULHEIM (RUHR), WISSENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. KONRAD GOEBEL, 2. RAIN FR MULLER, 3. ULRICH SCHIFFERS.

Application No. 322/Cal/84 filed May 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

Intermediate power plant (1) with an integrated coal gasification installation (2), with a gas turbine power plant section (5) connected to the coal gasification installation, with a steam power plant section (6) connected to the crude gas heat exchanger installation (3) of the coal gasification installation and with a methanol synthesis installation (7), characterised in that the methanol synthesis installations (7) is composed of modules (54, 55, 56) connected in parallel and is connected with the gas turbine power plant section via a central pure gas distribution system (8) which comprises a pure gas through-flow intermediate storage installation (10) connected in parallel to the pure gas supply line (9) and which is connected after the crude gas heat exchanger installation (3) on the gas side.

Compl. Specn. 23 pages. Drg. 1 sheet.

CLASS : 45-E & G.

161814

Int. Cl. E 03 d 5/00.

AUTOMATIC PHOTOELECTRIC FLUSHING APPARATUS FOR URINALS.

Applicant : CHENCHI ELECTRO CHEMICAL CO. LTD., OF NO. 214 CHUNG SHAN 1ST ROAD, KAO HSIUNG CITY, TAIWAN, REPUBLIC OF CHINA.

Inventor : 1. LEE WEN-C.

Application No. 324/Cal/84 filed May 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

An automatic photoelectric flushing apparatus for urinal having a flushing device (21) such as an electromagnetic valve connected to the water pipe thereof comprising :

a housing body (2) fixed on the water pipe over the top of the urinal (1) in connection with the flushing device (21);

a control means (3) disposed in the housing body (2) in conjunction with the flushing device (21);

a photoelectric emitting means (30) arranged in the housing body (2) for generating light beam therefrom; and

a photoelectric sensing means (31) provided in the housing body (2) in connection with said control means (3) and said photoelectric emitting means (30) for automatically effecting water flushing operations without incurring any error action.

Compl. Specn. 11 pages. Drgs. 3 sheets.

i

CLASS : 172-B, C₀.

161815

Int. Cl. D 01 g 15/00, 19/00.

A SLIVER COILING APPARATUS.

Applicant : TRUTZSCHLER GMBH & CO. KG, OF
DUVENSTRASSE 82-92, D-4050 MONCHENGLAD-
BRACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. THEO SCHOPWINKEL.

Application No. 478/Cal/84 filed July 5, 1984.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A silver coiling apparatus comprising (a) a rotatably sup-
ported coiler head including a sliver discharge opening travell-
ing in a circular path upon rotation of the coiler head;

(b) a first driving means for rotating said coiler head;

(c) support means for positioning a coiler can underneath
said coiler head such that a central axis of said coiler can is
eccentric relative to said circular path; said coiler can receiv-
ing sliver from said sliver discharge opening;

(d) a second driving means for moving said support means
for removing a full coiler can from under the coiler head and
positioning an empty coiler can thereunder;

(e) a position sensing means for emitting a signal when said
sliver discharge opening is situated on an inner half circle of
said circular path; said inner half circle being oriented towards
a central axis of the coiler can undergoing filling from said
sliver discharge opening;

(f) means for applying said signal to said second driving
means for energizing said second driving means to displace
said support means when said sliver discharge opening is
situated on said inner half circle for effecting rupture of the
sliver.

Compl. Specn. 18 pages, Drgs. 5 sheets.

CLASS : 36-A₃.

161816

Int. Cl. F 04 d 1/00, 17/00.

IMPROVED IMPELLER.

Applicant : WARMAN INTERNATIONAL LIMITED, OF
4-8 MARDEN STREET, ARTARMON, NEW SOUTH
WALES, 2064, AUSTRALIA.

Inventor : 1. ANTHONY GRZINA.

Application No. 510/Cal/84 filed July 13, 1984.

Convention dated 14th July, 1983 (PG 0282) Australia.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 claims

An impeller for a centrifugal pump comprising :

a planar rotatable member having an axis of rotation;

a plurality of substantially radially extending primary vanes
located on one face of said rotatable member and forming a
central intake opening aligned along the axis of rotation, said
primary vanes being adapted to pump liquid through the pump
when said impeller is positioned in a pump casing;

a plurality of generally radially directed auxiliary vanes
located on the other face of said rotatable member and extend-
ing from near a central portion of said at least one side face
to adjacent the periphery of the rotatable member, said auxi-
liary vanes projecting axially from said other face;

an annular projection running about the periphery of the
outer ends of said auxiliary vanes to limit recirculation of the
working fluid of the pump along the said other face; and

channel located in said annular projection between adjacent
auxiliary vanes.

Compl. Specn. 7 pages. Drgs. 2 sheets.

CLASS : 32-A₂.

161817

Int. Cl. C 09 b 57/00.

BICYCLIC COPPER COMPLEX FORMAZAN COM-
POUNDS, SUITABLE AS DYPSTUFFS.

Applicant : HOECHST AKTIENGESellschaft OF D-
6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC
OF GERMANY.

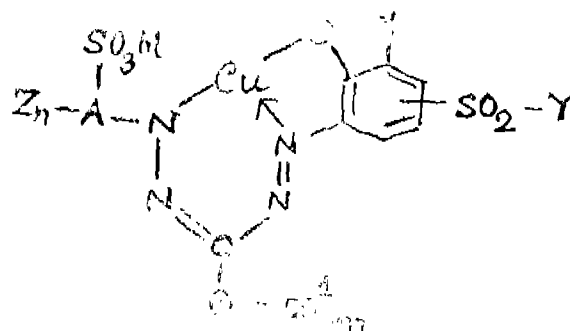
Inventor : 1. GUNTHER SCHWAIGER.

Application No. 512/Cal/84 filed July 16, 1984.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

22 claims

A process for the preparation of a copper complex formazan
compound of the general formula (1) of the accompanying
drawings.



Formula (1)

in which m and n are 1 or 2, A is a benzene or naphthalene
ring, both of which are necessarily substituted by the given
sulfo group -SO₃M (where M has the meaning given below)
in the ortho-position relative to the N atom of the formazan
component, and which can be substituted by one of three sub-
stituents from the group comprising halogen, nitro, alkyl
having 1 to 5 carbon atoms, lower alkylamino-alkyl, alkoxy
having 1 to 4 carbon atoms, hydroxy, alkylsulfonyl having 1
to 4 carbon atoms, phenyl-sulfonyl, sulfamoyl, N-mono- and
N, N-dialkyl-sulfamoyl, with each case 1 to 4 carbon atoms
in the alkyl radical, lower alkanoylamino, aroyl-amino, N-
mono and N, N-dialkylamino with in each case 1 to 4 car-
bon atoms in the alkyl radical, phenyl and phenylsulfamoyl;

B is the phenyl radical or a naphthyl radical, each of which
can be substituted by substituents from the group comprising
hydroxy, nitro, halogen, alkyl having 1 to 5 carbon atoms,
alkoxy having 1 to 4 carbon atoms, carbalkoxy having 1 to 4
carbon atoms in the alkyl radical, amino, N-mono- and N, N-
di-alkylamino with in each case 1 to 4 carbon atoms in the
alkyl radical and phenylsulfamoyl, or B is the radical of a
furan, thiophene, pyrrole, imidazole, pyrazole, pyridine, quino-
line or benzimidazole which is optionally substituted by lower
alkyl, lower alkoxy, chlorine, benzyl, phenethyl and/or phenyl.
or

B is a hydrogen atom, or a carboxy, cyano or nitro group,
or a straight-chain or branched alkyl group having 1 to 8
carbon atoms or a straight-chain or branched alkenyl group
having 2 to 8 carbon atoms, it being possible for these alkyl
and alkenyl groups to be further substituted by the phenyl
radical, which can in turn be substituted by substituents from

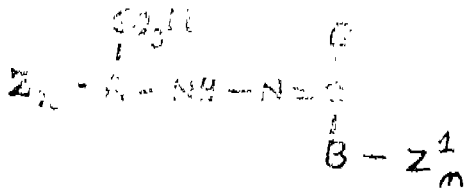
the group comprising methyl, ethyl, methoxy, ethoxy, fluoro, chlorine, bromine and sulfamoyl;

M is a hydrogen atom or one equivalent of a metal;

X is a hydrogen atom or a sulfo group;

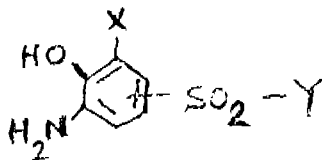
Z is a hydrogen atom or a group which confers water-solubility, one or both of which—besides the sulfo group necessarily required in the O-position relative to the N-atom of the hydrazone component A—are bonded to A on an aliphatic or aromatic carbon atom of A, preferably on an aromatic nucleus, and

Z¹ is a hydrogen atom or a group which confers water-solubility, one or both of which are bonded to B on an aliphatic or aromatic carbon atom of B, preferably on an aromatic nucleus, Z and Z¹ together denoting not more than three sulfo groups, if X is a sulfo group; and Y is the vinyl group or a group of the formula -CH₂-CH₂-E, in which E is a substituent which can be removed under alkaline conditions which comprises reacting an aromatic hydrazone compound of the general formula (2)



Formula 2

in which A, B, Z, Z¹, m and n are defined as above and Q denotes a hydrogen atom or a substituent which can be replaced by azo coupling, with the diazonium compound of an aromatic amine of the general formula (3)



Formula 3

in which X and Y have the meaning given above, and with a copper-donating agent in equimolar proportions, the components being chosen such that Z and Z¹ fulfil the conditions mentioned above in relation to X.

Compl. Specn. 55 pages. Drgs. 2 sheets.

CLASS : 129-J.

161818

Int. Cl. B 21 b 1/08, 1/12.

ENTRY GUIDE FOR FEEDING A MATERIALS TO A ROLLING MILL.

Applicant : THE TATA IRON & STEEL CO. LTD., JAMSHEDPUR, BIHAR, INDIA.

Inventors : 1. DHARAMBIR GADH, 2. UMESH SINGHAL, 3. JADUNATH KARMAKAR.

Application No. 573/Cal/84 filed August 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

An entry guide for feeding materials in a rolling mill comprising a guide box in which are mounted two bottom rollers by means of bearings, a top guide provided with said guide box such that the centreline of the material being fed matches with the centreline of the pass of the mill rolls to which the material is being guided and means provided for keeping the said bottom roller sufficiently cool during operation.

Compl. Specn. 11 pages. Drgs. 2 sheets.
3-447 GI/87

CLASS : 129-J.

161819.

Int. Cl. : B 21 b 1/08, 1/12.

ROLLER ENTRY GUIDE FOR ROLLING CHANNELS.

Applicant : THE TATA IRON & STEEL CO. LTD., JAMSHEDPUR, BIHAR, INDIA.

Inventors : 1. DHARAMBIR GADH, 2. UMESH SINGHAL, 3. JADUNATH KARMAKAR.

Application No. 574/Cal/84 filed August 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An entry guide for feeding materials in a rolling mill comprising a guide box in which are mounted two bottom rollers and a top roller by means of bearings, said top roller being provided in a calendered fashion in the centre over the two bottom rollers, the level of the centre over the two bottom rollers, the level of the said rollers being such that the centre line of the material being fed and/or is being guided matches with the centre line of the pass of the mill rolls to which the material is being guided and means provided for keeping the said rollers sufficiently cool during operation.

Compl. Specn. 10 pages.

Drg. 2 sheets.

CLASS : 50-C.

161820.

Int. Cl. : F 28 d 1/00.

INSTALLATIONS FOR THERMAL STORAGE USING ICE.

Applicant & Inventor : THOMAS ARTHUR GILBERTSON, OF 216 SANDRINGHAM, NORTH MORAGA, CALIFORNIA 94566, UNITED STATES OF AMERICA.

Application No. 580/Cal/84 filed August 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An installation for thermal storage using ice, comprising in combination :

structural means defining a closed vessel for containing a volume of entirely filling said vessel;

heat exchanger means for forming a volume of ice within said vessel;

chill water utilization means communicating with said closed vessel including means for circulating water under pressure through said vessel in contact with said volume of ice; and

compensation means for automatically removing water from said closed vessel during dormation of said volume of ice to prevent build up of destructive internal pressures and for automatically returning water to said closed vessels during melting of said volume of ice by said circulating water to maintain water pressure and volume in said vessel.

Compl. Specn. 33 pages.

Drg. 6 sheets.

CLASS : 189 & 170B.

161821.

Int. Cl. : C 11 d 7/02.

"A PROCESS FOR THE MANUFACTURE OF FREE-FLOWING SPRAY DRIED BEADS FOR DETERGENT."

Applicant : COLGATE-PALMOLIVE COMPANY, a corporation organized under the laws of the States of Delaware, United States of America, of 300 Park Avenue, New York, New York 10022, United States of America.

Inventors : JOHN JEROME GRECSEK, SUEWILSON
GIORDANO & SEYMOUR GREY.

Application for Patent No. 107/Del/1982 filed on 10th
February, 1982.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the manufacture of free flowing, spray dried beads useful for the manufacture of a particulate built synthetic nonionic organic detergent composition, said detergents being of reduced particle deposition characteristics due to the presence of bentonite and absence of water soluble silicates in the spray dried beads, which comprises spray drying a crutcher mix comprising by weight from 5 to 65% of water softening aluminium silicate, 2 to 40% of bentonite containing sufficient moisture to facilitate dispersion of the bentonite so as to inhibit desposition of aluminosilicate on the laundry being washed, and 5 to 60% of water soluble builder comprising phosphates of the kind such as herein described.

Complete Specification 61 Pages.

CLASS : 32 F2(a).

161822.

Int. Cl. : C07c 97/00.

"AN IMPROVED PROCESS FOR THE PREPARATION
OF 4-AMINO-3-NITRO-BENZOPHENONE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUS-
TRIAL RESEARCH, Rafi Marg, New Delhi-110001, India,
an Indian Registered body incorporated under the registra-
tion of Societies Act (Act XXI of 1860).

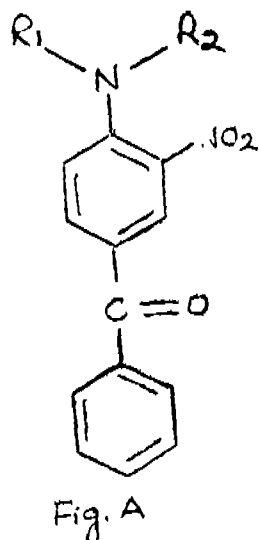
Inventors : NAGARAJ RAMANUJ AYYANGAR, RAJA-
GOPAL JAGANNATH LAHOTI & THOMAS DANIEL.

Application for patent No. 585/Del/83 filed on 26th August,
1983.

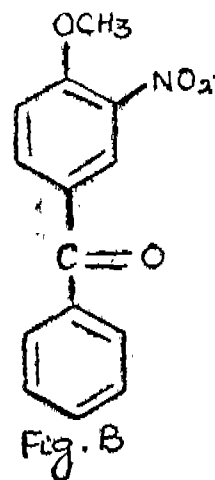
Appropriate office for opposition proceedings (Rule 4,
Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

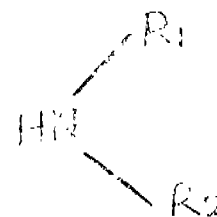
An improved process for the preparation of 4-amino-3-
nitro-benzophenone of the general formula Fig. A



of the accompanying drawings which comprises reacting
4-methoxy-3-nitrobenzophenone of formula shown in Fig. B



with ammonia or alkylamines of general formula shown in
Fig. C



wherein both R_1 and R_2 are hydrogen or one of them is
hydrogen and the other a methyl, ethyl, n-butyl, B-hydroxy-
ethyl or other alkyl substituents like n-propyl, isopropyl, or
both of them are same or different alkyl substituent or both
of them form part of a heterocyclic ring system.

Complete specification 10 pages.

Drawing 1 sheet.

CLASS : 13A, 143D₂ & 155B.

161823.

Int. Cl. : B65d 29/00 & B32b 25/00.

"AN IMPROVED BAG FOR PACKAGING OF GRA-
NULAR AND POWDERY MATERIALS".

Applicant : NATIONAL COUNCIL FOR CEMENT AND
BUILDING MATERIALS OF M-10, South Extension, Part-II
Ring Road, New Delhi-110 049, INDIA, an Indian Institute.

Inventors : HOSAGRAHARA CHANDRASEKHARA
VISVESVARAYA, AJOY KUMAR MULLICK, JAYANT
DATTATRAYA BAPAT & ANJAN GHOSH.

Application for patent No. 806/Del/83 filed on 1st Decem-
ber, 1983.

Complete specification left on 27th February, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved open mouthed impermeable bag for packag-
ing refractory materials particularly refractory materials which
are granular or powdery and hygroscopic characterised in
that the bag being formed from a laminate comprising a
sheet of high density polyethylene and jute tarpaulin bonded
by a layer of bitumen provided therebetween.

Provisional specification 5 pages.

Complete specification 6 pages.

CLASS : 182B. 161824.

Int. Cl. : C07c 47/18.

A PROCESS FOR SELECTIVELY OBTAINING A SUGAR WHICH IS EITHER GLUCOSE OR MALTOSE FROM THINNED STARCH.

Applicant : UOP INC., a corporation organised in the State of Delaware, with a principal place of business at Ten UOP Plaza, Algonquin & Mt. Prospect Road, Des Plaines, Illinois 60016, U.S.A.

Inventors : RONALD PAUL ROHRBACH, MARY JON MALLARIK, THOMAS PATRICK MALLOY, GREGORY JOHN THOMPSON, KAUNG FAR LIN & DAVID WAYNE PENNER.

Application for Patent No. 735/Del/84 filed on 19th Sept, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

7 Claims

A process for selectively obtaining sugar which is either glucose or maltose from thinned starch such as herein described comprising hydrolyzing a feedstock of thinned starch under the action of a glucose—or maltose-producing enzyme characterised in that the feedstock is hydrolyzed to form 50% to 92% of said sugar in the hydrolyzed product stream, separating in a manner as herein described the said stream into a sugar-enriched stream and a sugar-depleted stream, recovering the sugar from said sugar-enriched stream, and recycling the sugar-depleted stream to the hydrolysis step.

Complete Specification 29 pages. Drawing 1 sheet.

CLASS : 32F_{3(a)} & 70C₁₁. 161825.

Int. Cl. : C07d 1/00.

"ELECTROCHEMICAL CONVERSION OF OLEFINS TO OXYGENATED PRODUCTS".

Applicant : THE BRITISH PETROLEUM COMPANY P.L.C., a British company of Britannic House, Moor Lane, London EC2Y 9BU, England.

Inventors : KEITH GORDON ELLIS & MAHMOOD NOURALDIN MAHMOOD.

Application for patent No. 747/Del/84 filed on 25th September, 1984.

Convention date 29th September, 1983/8326125/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the electrochemical conversion of an olefinic compound in its gaseous phase to its oxygenated derivative such as herein described in an electrochemical cell comprising an anode, a cathode either of said anode or cathode being a gas diffusion electrode, and an electrolyte solution characterized in that said olefinic compound is contained within the body of said gas diffusion electrode and that said olefinic compound is reacted with an oxidising agent such as herein described at the meniscus within said gas diffusion electrode.

Complete specification 15 pages.

CLASS : 127I & 134B. 161826.

Int. Cl. : F16h 33/02.

TRANSMISSION DEVICE FOR CONTINUOUSLY VARYING THE TRANSMISSION RATIO BETWEEN A VEHICLE ENGINE AND ITS WHEELS.

Applicant : PIAGGIO & C.S.p.A., a company organised under law of the Italian Republic of Via A. Cecchi 6, Genova Italy.

Inventor : BRUNO GADDI.

Application for Patent No. 758/Del/84 filed on 26th Sept, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A transmission device for continuously varying the transmission ratio between a vehicle engine and its wheels, comprising a pulley consisting of a pair of half pulleys, and operating element for varying transmission ratio, a shaft in communication at one end to the operating element and at the other end to means for displacing said shaft, a speed regulator mounted on the shaft comprising centrifugal masses and an axially displaceable regulator collar, a first lever in communication at one end with the regulator collar, an yieldable member preloaded by a second lever connected to the engine feed control which provides a force on the regulator collar through the first lever in opposition to a speed dependent force exerted on the regulator collar by the centrifugal masses, characterised in an elastic preloaded by a manually controlled means engaging said elastic element providing a force on the said regulator collar through said first lever independent of the force of said yieldable member so as to oppose the influence of engine speed thereby maintaining engine speed and that of said shaft at a ratio which causes the engine to act as a brake.

Complete specification 9 pages. Drawing 1 sheet.

CLASS : 32B & 34B. 161827

Int. Cl. : C 07 c 3/00.

"A PROCESS FOR THE PREPARATION OF A FEED MIX FOR PREPARATION OF HYDROCARBONS FROM CELLULOSE WASTES".

Applicant : DR. KAMESHWAR NATH MALLIK, AN INDIAN NATIONAL OF 4/23A, VIKRAM VIHAR, LAJPAT NAGAR-IV, NEW DELHI-110024.

Inventor : KAMESHWAR NATH MALLIK.

Application for Patent No. 812/Del/84 filed on 18th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the preparation of a feed mix for use in the production of hydrocarbons which comprises in subjecting cellulosic wastes such as cotton fibres, jute fibres, finally communicated chips of bamboo or left after producing pulps for making paper to the step of hydrolysis to obtain a hydrolysate, adding to 40% to 60% of the hydrolysate water and a mineral acid for preparing an acidic aqueous solution thereof, taking the remainder of the hydrolysate and adding thereto an oxidising catalyst to obtain modified hydrolysate adding said solution and said mix of modified hydrolysate together to provide the feed mix for the preparation of hydrocarbons in an electro-magnetic reactor.

Comp. specn. 6 pages.

CLASS : 56B. 161828

Int. Cl. : H 01 f 37/00.

"AN ELECTROMAGNETIC REACTOR".

Applicant : KAMESHWAR NATH MALLIK, AN INDIAN NATIONAL OF 4/23A-VIKRAM VIHAR, LAJPAT NAGAR IV, NEW DELHI-110024, INDIA.

Inventor : KAMESHWAR NATH MALLIK.

Application for Patent No. 813/Del/84 filed on 18th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An electromegnetic reactor for producing hydrocarbons, such as petroleum hydrocarbons, comprises an inner chamber and an outer chamber, an inlet to said inner chamber for introduction of a feed or charge, a first and a second outlet from said inner chamber, said first outlet being for discharge of hydrocarbon gases, and said second outlet being for discharge of the effluent, at least one pair of electrodes disposed within said inner chamber and adapted to be connected to a power source, at least one pair of magnetic pole shoes provided within said second chamber, and having coils adapted to be connected to a power sources.

Compl. specn. 8 pages

Drg. 1 sheet

CLASS : 177 F & 98 G

161829

Int. Cl. : F 22 G 3/00, F 28 F 9/26.

HEAT EXCHANGE HAVING VERTICAL TUBES FORMING PARALLEL LOOPS AND INTERLOCKING MEANS FOR INTERLOCKING ADJACENT VERTICAL TUBES.

Applicant : STEIN INDUSTRIE. A French Body Corporate, of 19—21, Avenue Morane Saulnier, 78140 Velizy-Villacoublay, France.

Inventors : JEAN FOURNIER, PATRON HENRI & MEYNARD PAUL.

Application for Patent No. 865/Del/84 filed on 14th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A heat exchanger having vertical tubes forming parallel loops between an inlet length of tube and an outlet length of tube through which said vertical tubes are suspended from a rigid structure, wherein two adjacent vertical tubes are interlocked by interlocking means, said interlocking means comprising an upper hollow member and a lower hollow member located between each adjacent pair of lengths of tube, the upper hollow member being welded to a first length of tube in each adjacent pair, and the contacting the other or second length of tube in the pair, and the lower hollow member being welded to the second length of tube in the pair and contacting the first length of tube in the pair, the upper and lower hollow members being located so as to come into end-to-end contact with each other and having overlapping lips projecting towards each other such that the lip of each hollow member is received between the lip of the other hollow member and the length of tube to which the other hollow member is welded, thereby interlocking the lengths of tube of the pair, the first length of tube of each pair being chosen as that one of the lengths of tube which is further from the corresponding supporting length of tube than the other length of tube of the pair.

Compl. specn. 8 pages

Drg. 2 sheets

CLASS : 170 D & 189

161830

Int. Cl. : C 11 d 7/00.

"DETERGENT COMPOSITIONS".

Applicant : COLGATE PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, U.S.A., OF 500 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : JOHN JEROME GRECEK, SUE WILSON GIORDANO & SEYMOUR GREY.

Application for Patent No. 623/Del/85 filed on 1st August, 1985.

Divisional to patent application No. 107/Del/82 filed on 10th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A detergent composition comprising an adixture of a nonionic detergent of the kind such as herein described and free flowing, spray dried beads, characterised in that said spray dried beads comprise on a percentage by weight basis from 5 to 60% of water softening aluminosilicate, 2 to 40% of bentonite, containing sufficient moisture to facilitate dispersion of the bentonite so as to inhibit deposition of aluminosilicate on the laundry being washed 5 to 60% of water soluble builder of the kind such as herein described or a mixture of such builder 0 to 30% of water soluble synthetic organic detergent of the kind such as herein described and 0 to 5% of water soluble silicate.

Compl. specn. 59 pages

OPPOSITION PROCEEDINGS

(1)

An opposition entered by K. M. Pole C/o Walchandnagar Industries Limited to the grant of a Patent an application No. 455001 made by M/s. Thermale Private Limited, as notified in the Gazette of India Part III, Section 2 dated 14-9-85 has been dismissed and ordered that a Patent be sealed.

(2)

An opposition has been entered by Council of Scientific and Industrial Research to the grant of a Patent on Application No. 160420 made by Augustin Antony.

(3)

An opposition has been entered by M/s. Kausal Confectionery and Pharma Limited to grant of a patent on application No. 160462 (203/Del/84) dated 6th March 1984 made by M/s. Warner Lambert Company.

(4)

An opposition has been entered by M/s. Bajaj Auto Limited to grant of a patent on application No. 160456 (166/Del/84) dated 24th February 1984 made by M/s. Piaggio and C. S. P. A.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by Adroin March Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 161036 in their name has been allowed.

PATENTS SEALED

153642	154118	154189	158075	158954	158978	159034
159039	159051	159052	159054	159055	159056	159066
159070	159073	159092	159105	159109	159111	159113
159114	159115	159117	159123	159125	159130	159131
159132	159135	159137	159138	159139	159148	159161
159162	159163	159165	159166	159168	159188	159240
159326						

AMENDMENT PROCEEDINGS UNDER SECTION 37

(1)

The amendments proposed by Schlumberger Limited in respect of Patent application No. 159632 as advertised in Part III, Section 2 of the Gazette of India dated the 27th June, 1987 have been allowed.

(2)

In pursuance of an application under section 44 of the Patents Act 1970, Patent No. 150423 has been amended by substituting the name address of the Smt. Marianuma Jose for the of the Co-Patentee Dr. Jose Samuel.

RENEWAL FEES PAID

138060	139736	140290	140999	141605	141816	141905
142391	142576	142648	143005	143218	143522	143722
143768	144008	144302	144422	144690	144945	144973
145102	145297	145305	145313	145337	145353	145385
145632	145670	145687	145898	145932	145955	145987
146053	146088	146197	146312	146408	146485	146601
146819	147022	147193	147219	147230	147427	147429
147449	147572	147578	147600	147657	147694	147695
147735	147911	148054	148182	148198	148261	148394
148449	148474	148538	148808	149195	149298	149321
149396	149424	149502	149539	149670	149755	149827
149924	150042	150045	150105	150157	150192	150260
150298	150307	150330	150449	150476	150499	150616
150732	150743	150744	150764	150997	151067	151112
151113	151130	151169	151362	151380	151417	151432
151445	151591	151622	151702	151718	151789	151900
151961	152076	152177	152184	152193	152202	152206
152283	152292	152365	152537	152576	152644	152660
152941	153110	153141	153211	153213	153263	153304
153376	153387	153390	153402	153583	153598	153649
153662	153663	153695	153736	153741	153851	153895
153924	154036	154099	154141	154265	154539	154540
154648	154807	154809	154817	154890	154915	154947
155116	155117	155137	155284	155368	155391	155506
155577	155578	155580	155625	155639	155686	155733
155795	155830	155849	155851	155956	155973	155996
156010	156097	156256	156337	156396	156495	156519
156588	156692	156736	156737	156747	156833	156852
156875	156890	156989	157018	157020	157039	157070
157178	157217	157220	157272	157276	157282	157333
157338	157366	157403	157407	157433	157464	157501
157631	157618	157719	157781	157853	157875	157898
157899	157907	157921	157929	157960	157973	158021
158076	158126	158141	158207	158216	158392	158441
158457	158503	158506	158582	158742	158747	

CESSATION OF PATENTS

147476 155004 155642 157520 157580.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 158455. Crystal Water Company Pvt. Ltd., Surya Mansion, 1, Kaushalya Park, Hauz Khas; New Delhi-110016, India, an Indian Company. "Water Cooler Cum Heater". 23rd June, 1987.

Class 1. No. 158534. Khaitan (India) Limited, an Indian Company, of 46C, J. L. Nehru Road, Calcutta-700 071, West Bengal, India. "Down Rod For Electric Ceiling Fan". 15th July, 1987.

Class 1. No. 158571. Anil Auto Industries, 3400/2 Ranjit Nagar, New Delhi (India) a Partnership firm. "Lifting Jack". 24th July, 1987.

Class 1. No. 158596. Man Mohan Narang trading as M/s. Membrane India, whose address is plot No. 347, Udyog Vihar, Phase-II, Dundaheera, Gurgaon-122016, Haryana and Indian National "Filter" 31st July, 1987.

Class 1. No. 158867. Special Machines, whose address is Bye-Pass, Kunjpura Crossing, Karnal-132001, Haryana State, India. "Hydraulic Welding Electrode Extrusion Press". 5th October, 1987.

Class 1. No. 158938. Ravindra Mohan Jain, an Indian National, trading as Special Machines, whose address is Bye-Pass, Kunjpura Crossing, Karnal-132001, Haryana, India. "Die Head Assembly of Hydraulic Welding Electrode Extrusion Press". 15th October, 1987.

Class 1. No. 158939. Ravindra Mohan Jain, an Indian National, trading as Special Machines, whose address is Bye-Pass, Kunjpura Crossing, Karnal-132001, Haryana State, India. "Pulley box of Hydraulic welding/electrode extrusion press". 15th October, 1987.

Class 3. No. 158450. Trinity Products, Acme Estate, D-22 & 23, 3rd floor, Sewree (East), Bombay-400015, State of Maharashtra, India, an Indian Partnership firm. "Filter" (Funnel). 23rd June, 1987.

Class 3. No. 158460. Pidilite Industries Pvt. Ltd., of Regent Chambers, 7th Floor, Nariman Point, Bombay-400 021, Maharashtra, India, an Indian Company. a "Container" (Cat type). 25th June, 1987.

Class 3. No. 158461. Pidilite Industries Pvt. Ltd., of Regent Chambers, 7th Floor, Nariman Point, Bombay-400 021, Maharashtra, India, an Indian Company. a "Container" (Dog type). 25th June, 1987.

Class 3. No. 158462. Pidilite Industries Pvt. Ltd., of Regent Chambers, 7th Floor, Nariman Point, Bombay-400 021, Maharashtra, India, an Indian Company. a "Container" (Monkey type). 25th June, 1987.

Class 3. No. 158463. Pidilite Industries Pvt. Ltd., of Regent Chambers, 7th Floor, Nariman Point, Bombay-400 021, Maharashtra, India, an Indian Company. a "Container" (Lion type). 25th June, 1987.

Class 3. Nos. 158481, 158482. Sotralentz S. A., a company incorporated under the laws of France, of 24 rue Professeur Froehlich, 67320 Drulingen France. "Container on A Pallet". 1st July, 1987.

Class 3. No. 158491. Elesa S. P. A., an Italian Company, of Via G. Pascoli 21, 20129 Milano, Italy. a "Cylindrical Knurled Handgrip". 2nd July, 1987.

Class 3. No. 158492. Bipin Samaldas Gupta, 40/361-C, Brahm-Jyoti Building, Chandavarkar Road, Matunga (East), Bombay-400 019, Maharashtra, India, an Indian Proprietorship Firm. "Face Guard". 3rd July, 1987.

Class 3. No. 158498. Dinesh Gurjar (Indian Nationals) of D-22 Commerce Centre, Tardeo Main Road, Bombay-400 034, State of Maharashtra, India. "Fire Detector". 7th July, 1987.

Class 3. No. 158504. Polyset Plastics Private Limited, a company incorporated under the Companies Act, having its office at 904, Regent Chambers, Nariman Point, Bombay-400 021 in the State of Maharashtra within the Union of India. "Jug". 7th July, 1987.

Class 3. Nos. 158505 & 158506. The English Electric Company of India Limited, of P.O. Box No. 2, Pallavaram, Madras-600 043, Tamil Nadu, India, an Indian Company. "Half Cover Current Transformer". 8th July, 1987.

Class 3. No. 158511. S. P. Industries, 12, Ganesh Chandra Avenue, Calcutta-700 013, West Bengal, India, an Indian Registered Partnership Firm. "Ball Point Pen". 8th July, 1987.

Class 3. No. 158535. Khaitan (India) Limited, an Indian Company, of 46C, J. L. Nehru Road, Calcutta-700 071, West Bengal, India. "Down Rod For Electric Ceiling Fan". 15th July, 1987.

- Class 3. No. 158555. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "Ceiling Rose". 20th July, 1987.
- Class 3. No. 158558. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "Telephone Cord Outlet". 20th July, 1987.
- Class 3. No. 158559. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra, India. "3 Pin Shuttered Switch Socket outlet with Indicator". 20th July, 1987.
- Class 3. No. 158560. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "YV Socket Outlet". 20th July, 1987.
- Class 3. No. 158562. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "Batten Holder for Electric Bulbs". 20th July, 1987.
- Class 3. No. 158563. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400 072, Maharashtra and also at Tavawala Building, Pathak Wadi, Bombay-400 072, Maharashtra, India. "Telephone Socket outlet". 20th July, 1987.
- Class 3. No. 158580. Naveen Kumar Kataruka. 1, Saila Kumar Mukherjee Road, Howrah-711 101, West Bengal, India, Indian Nationality. "Container". 27th July, 1987.
- Class 3. No. 158581. Devi Electronics Private Limited, a company incorporated under the Companies Act, at 302-A Poonam Chambers, Shivsagar Estate, Worli, Bombay-400 018, State of Maharashtra, India. "Transistor Radio". 28th July, 1987.
- Class 3. No. 158585. Sarbjot S. Grewal. 2749-Arf Avenue, Hayward Ca-94545 U.S.A. An India National. "Sun Shield for Wind Screen". 29th July, 1987.
- Class 3. No. 158586. Shivalik Agro Poly Products Limited, Plot No. 1, Sector-III, Industrial Area, Parwanoo, H. P. India. An Indian Company. "Storage Box". 29th July, 1987.
- Class 5. No. 158928. Munch Food Products (P) Ltd., D-992, New Friends Colony, New Delhi-110065, India, a company incorporated under the Indian Companies Act. "Chocolate Box". 13th October, 1987.
- Class 10. No. 158271. Raghu Footwear (P) Ltd., 5/6-Raghunath Nagar, M. G. Road, Agra, Uttar Pradesh, India. An Indian Company. "Sole of Footwear". 28th April, 1987.
- Class 10. Nos. 158765 & 158766. Liberty Footwear Company, Indian Partnership firm of Liberty House Extension, Karnal, Pin-132 001, Haryana, India. "Sole of the Shoe". 3rd September, 1987.
- Class 10. Nos. 158866 & 158869. Liberty Footwear Company, Indian Partnership firm, Liberty House Extension, Karnal, Haryana, India. "Shoe". 5th October, 1987.
- Class 10. No. 158923. U-Like Industries. 5, Industrial Area, Tilak Nagar, New Delhi-110 018, India, an Indian Partnership Concern. "Sole of the Shoe". 13th October, 1987.
- Class 12. No. 158926. Munch Food Products (P) Ltd., D-992, New Friends Colony, New Delhi-110065, India, a company incorporated under the Indian Companies Act. "Chocolate". 13th October, 1987.
- Class 14. No. 158442. Shree Manoj Weaving Factory, An Indian Partnership Firm, having its office at : Match Factory Compound, Moti Talao Road, Bhavnagar-Gujarat, India. "Woven Canvas Cloth". 18th June, 1987.
- Class 14. No. 158443. Shree Vikas Weaving Factory, An Indian Proprietary firm. "Woven Canvas Cloth". 18th June, 1987.
- Extn. of Copyright for the Second period of five years.
- No. 151244. Class-1.
- No. 152951. Class-3.
- Nos. 150232, 150233. Class-4.
- Extn. of Copyright for the Third Period of live years.
- Nos. 146217, 145917, 145882, 145883, 146242, 151244...
..... Class-1.
- Nos. 145843, 146158, 145717, 152951. Class-3.
- Nos. 145838, 145839, 145840, 145841, 145842. ... Class-10.

R. A. ACHARYA
Controller General of Patents, Design
and Trade Marks